

Historic, archived document

Do not assume content reflects current scientific knowledge, policies, or practices.







315
y. 2

Issued—April 1964

U. S. DEPT. OF AGRICULTURE
NATIONAL AGRICULTURAL LIBRARY

JUL 28 1964

UNITED STATES DEPARTMENT OF AGRICULTURE

AGRICULTURAL RESEARCH SERVICE
PLANT QUARANTINE DIVISION
FEDERAL CENTER BUILDING
HYATTSVILLE, MARYLAND 20781

LIST OF INTERCEPTED PLANT PESTS, 1963

(Pests Recorded From July 1, 1962, Through June 30, 1963)

Compiled by
Bessie C. Mumford
Plant Quarantine Aid

INTRODUCTION

This report covers the 50th year of plant quarantine work in the United States. It summarizes records of plant pests found in, on, or with plants, plant products, baggage, cargo, mail, and means of conveyance (1) imported into or entering the United States or the offshore possessions, (2) offered for entry but refused, (3) in quarters or stores of planes and ships, (4) offered for entry for immediate transportation and exportation in bond, (5) in domestic shipments to the mainland from the States of Alaska and Hawaii, the American Virgin Islands, the Commonwealth of Puerto Rico, Guam, and other possessions, or (6) in preclearance inspection in the Bahamas and Bermuda.

The pests listed include insects, mites, snails, bacteria, fungi, nematodes, and viruses of known or potential plant quarantine significance to the United States or of scientific interest. Some common organisms are included if they are new to the country of origin or the host plant.

This list reports identifications received during the fiscal year 1963 and includes many interceptions made during previous years, since determinations are sometimes delayed because of heavy work loads or lack of specialists for certain types of organisms. Most identifications are made by specialists of the Entomology Research Division, the Plant Quarantine Division (both of the U.S. Department of Agriculture), and the Department of Entomology, U.S. National Museum (of the Smithsonian Institution). However, many pests intercepted in California are identified by collaborating State officials. Snail identifications are made largely by taxonomists in the Division of Mollusks of the U.S. National Museum. Some disease determinations and critical studies are made by specialists of the Crops Research Division, U.S. Department of Agriculture. Many host plants are identified by workers in the Department of Botany, Smithsonian Institution.

Scientific names of insects and diseases are reviewed by specialists of the Plant Quarantine Division, who also assist in compiling the list. Nematode names are checked in Nematology Investigations and host names are reviewed in the New Crops Research Branch. Every effort is made to conform to the International Rules of Nomenclature. Family names are shown with the insects in the tabulation and orders are given in the host list. Classes of diseases are shown in the disease host list.

It is often difficult to trace the true origin of stores in planes and ships. Questionable cases are omitted, listed with a question mark, or shown as unknown.

NOTES ON PESTS INTERCEPTED

The total number of interceptions submitted during the fiscal year 1963 was 31,439, as compared with 33,033 the previous year. This does not include certain common pests which are widespread in this country and are no longer recorded. Of the total identified during the year, 12,482 were considered important enough to be reported in this list. That figure includes the incompletely determined pests which were significant. Last year the total in the list was 10,921.

Airborne Material

Interceptions of pests arriving by air totaled 12,700, of which 10,983 were insects, mites, or snails and 1,717 were diseases or nematodes. There were 419 interceptions of significant insects found as stowaways on airplanes. Among the important pests arriving by air were 179 interceptions of the European cherry fruit fly, 207 of the Mediterranean fruit fly, 52 of the Mexican fruit fly, 41 of the olive fruit fly, 36 of the oriental fruit fly, 34 of the pink bollworm, 206 of the West Indian fruit fly, 290 of the yanone scale, 371 of the black spot of citrus, 204 of citrus canker, 130 of the sweet orange scab, and 16 of the golden nematode.

FRUIT FLIES

There were 1433 fruit fly interceptions identified to species. This large number includes many intercepted in previous years which were identified and recorded this year. The species were as follows:

Anastrepha fraterculus(?) (once) in coffee berry in airmail from Brazil.

Anastrepha ludens, the Mexican fruit fly, was intercepted 401 times from Mexico and once from Panama. The hosts were apple, grapefruit, lime, mamey, Mandarin orange, mango, peach, pear, pomegranate, quince, sapote, and sweet orange. *A. ludens*(?) (3 times) in sapote in air stores and mango in baggage from Mexico.

Anastrepha mombinpraepoptans, the West Indian fruit fly (375 times), an adult at large in airplane and larvae in guava, mango, purple mombin, tropical almond, unidentified fruit, and yellow mombin from Brazil, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, St. Kitts, St. Martin, Tortola, and an unknown origin.

Anastrepha ocresia (once) in saponilla in air baggage from the Dominican Republic. This is the first authentic collection from saponilla in the U.S. National Museum.

Anastrepha striata (twice) in guava in air baggage from El Salvador and Nicaragua.

Anastrepha suspensa (3 times) in guava in air baggage and baggage from the Dominican Republic and Puerto Rico.

Ceratitis capitata, the Mediterranean fruit fly (293 times), in apple, apricot, Arabian coffee berry, baggage (with sphagnum moss packing), bell pepper, cactus

fruit, calamondin orange, chili pepper, *Citrus sinensis* var. *shamuti*, in pulp covering common pistache nut, date, *Eugenia* sp. fruit, fig, grapefruit, guava, Indiapoos beauty-leaf fruit, jujube, kaki persimmon, Malay-apple, Mandarin orange, mango, nectarine, papaya, peach, pear, plum, pomegranate, pricklypear, quince, sweet orange, tropical almond, and unidentified fruit. Countries of origin were Africa (country(?)), Argentina, Azores, Brazil, Costa Rica, Cyprus, Europe (country(?)), Federation of Rhodesia and Nyasaland, France, Greece, Hawaii, Israel, Italy, Jordan, Lebanon, Liberia, Malta, Morocco, Peru, Portugal, Republic of South Africa, Senegal, Spain, United Arab Republic, an unknown origin, and Uruguay. *C. capitata*(?) (15 times) in apricot, Arabian coffee berry, English walnut, mango, peach, pepper, sweet orange, and tomato from Argentina, Australia(?), Bermuda(?), Brazil, Canary Islands, Costa Rica, Greece, Hawaii, Israel, Italy, Liberia, and the United Arab Republic.

Ceratitis colae(?) (once) in Sudan colanut in air baggage from Nigeria.

Ceratitis rubivora (once) in *Rubus* sp. seed in mail from Ethiopia.

Dacus cucurbitae, the melon fly (5 times), in balsampear in air baggage from the Philippines, bell pepper in stores from Hawaii, chili pepper in air baggage from Thailand, and cucumber in stores from Hawaii and the Ivory Coast. *D. cucurbitae*(?) (4 times) in cucumber in stores from Hawaii.

Dacus dorsalis, the oriental fruit fly (43 times), an adult in a flight bag and larvae in avocado, carambola, *Eugenia* sp. fruit, guava, Indiapoos beautyleaf fruit, Malay-apple, mango, papaya, pepper, rose-apple, and tropical almond from Hawaii and the Philippines. *D. dorsalis*(?) (10 times) in avocado, candlenut-tree fruit, guava, and mango from Hawaii and India.

Dacus oleae, the olive fruit fly (80 times), an adult in baggage (with lemon) and larvae in common olive, *Olea* sp., and warty olive. Countries of origin were Ethiopia, Europe (country(?)), France, Greece, Israel, Italy, Lebanon, Republic of South Africa, and Spain. *D. oleae*(?) (once) in common olive in air baggage from Italy.

Euleia heraclei (once) in celery in stores from France. *E. heraclei*(?) (3 times) in celery in stores from England and Italy and in parsley in stores from Belgium.

Rhagoletis alternata(?) (once) in rose hip in baggage from Czechoslovakia.

Rhagoletis cerasi, the European cherry fruit fly (186 times), in Mazzard cherry, sour cherry, and cherry from the Azores, Europe (country(?)), France, Germany, Israel, Italy, Poland, Portugal, Spain, and an unknown origin. *R. cerasi*(?) (once) in cherry in stores from Turkey.

Tephritis conura (once) in thistle flower head in air baggage from Sweden.

INSECTS OTHER THAN FRUIT FLIES

Of the serious insect pests intercepted the following are of unusual interest:

Acrolepia assectella (Yponomeutidae) (20 times) in leek in air baggage from France and stores from France, Germany, Italy, and the Netherlands; in onion in air baggage from France; and in stores (with cauliflower) from France.

Adoretus sinicus (Scarabaeidae) as stowaway on airplane, in baggage, on cut flowers in air baggage and aircargo, and on orchid in air baggage from Hawaii; and in mail sack from Guam.

Adoxophyes reticulana (Tortricidae) (8 times) on cut lilac in aircargo from Belgium, Germany, and the Netherlands.

Aleurocanthus woglumi (Aleyrodidae), the citrus blackfly (36 times), on *Citrus* sp. leaf, sour lime leaf, sour orange leaf, sweet orange leaf, and rose leaf from Costa Rica, Ecuador, Jamaica, Mexico, and Nicaragua. *A. woglumi*(?) (4 times) on *Citrus* sp. leaf, coffee leaf, and sour lime leaf from Jamaica and Mexico.

Anthonomus rectirostris (Curculionidae) in black cherry seed in mail from Belgium.

Argyroploce lacunana (Olethreutidae) on birch plant in air baggage from Norway.

Austrotortrix postvittana (Tortricidae) or near, in apple and plum in cargo from New Zealand.

Blastodacna atra (Cosmopterigidae) in apple in air baggage from Germany and Poland.

Brachycerus albidentatus (Curculionidae) in garlic in baggage from Italy.

Brachycerus algirus (Curculionidae) in garlic in air baggage and baggage from Italy and cargo from Italy and Spain.

Brevipalpus chilensis (Tenuipalpidae) on lemon in air stores from an unknown origin.

Bruchus dentipes (Bruchidae) in broadbean in air baggage from Iran and Italy, baggage from Greece and Italy, and mail from Italy.

Bryobia ehari (Tetranychidae) on chrysanthemum cut flower in air baggage from Japan.

Cacoecimorpha pronubana (Tortricidae) on cut carnation in air baggage from Spain and rose plant in air baggage from Italy.

Carposina nipponensis (Carposinidae) (10 times) in apple in air stores and stores from Japan.

Ceroplastes rubens (Coccidae) on anthurium leaf in airmail from Hawaii, English ivy leaf in air quarters from an unknown origin, iron-tree leaf in air baggage from Hawaii, and leaf of an unidentified plant in air baggage from Australia.

Chilo suppressalis (Crambidae), the Asiatic rice borer (11 times), in rice husks in stores from the Philippines; rice straw in air baggage, aircargo, cargo, mail, and stores from Japan; and rice straw jacket for liquor in air baggage from Spain.

Clysiana ambiguella (Phaloniidae) in grape in air baggage from Hungary and air quarters from an unknown origin.

Conotrachelus aguacatae (Curculionidae) in avocado seed in aircargo and in avocado and Mexican avocado fruit in baggage from Mexico.

Coptotermes formosanus (Rhinotermitidae) in mail package of dried shells from Hawaii.

Cryptoblabes gnidiella (Phycitidae) (25 times) in mango, pomegranate, quince, and sweet orange from Cape Verde Islands, Greece, Italy, Portugal, Spain, an unknown origin, Venezuela, and Yugoslavia.

Curculio elephas (Curculionidae) (109 times) in European chestnut and unidentified species of chestnut from France, Greece, Italy, Portugal, Spain, Switzerland, and Yugoslavia.

Cylas formicarius formicarius (Curculionidae) in sweetpotato in air baggage and mail from the Philippines and stores from Hong Kong and Japan.

Cylas puncticollis (Curculionidae) (11 times) in sweetpotato in aircargo (as monkey food) from Kenya, cargo from Nigeria and Sierra Leone, quarters from Liberia, and stores from Sierra Leone.

Dialeurodes kirkaldyi (Aleyrodidae) on Arabian jasmine leaf in aircargo from the Philippines and mail from Hawaii, gardenia leaf in air baggage from Hawaii and Tahiti, and unidentified plant in air baggage from China.

Diaprepes abbreviatus (Curculionidae) as stowaway on airplane from Puerto Rico and on cut flowers and Sierra bladder-nut in aircargo from Haiti. *D. abbreviatus* var. on cut flowers in aircargo from Haiti.

Dichocrocis punctiferalis (Pyraustidae) on 5-needle dwarf pine tree in baggage and cargo from Japan.

Dyspessa ulula (Cossidae) in garlic in baggage from Italy and cargo from Spain and an unknown origin.

Epinotia aporema (Olethreutidae) in stores (with cabbage) from Peru and in string bean in air baggage from Colombia and stores from Chile and Venezuela.

Euproctis similis (Lymantriidae) on hawthorn plant in cargo from Japan.

Eusceps postfasciatus (Curculionidae) in mail (with ti cuttingting) from Hawaii; and in sweetpotato in air baggage from Jamaica, baggage from Puerto Rico, cargo from Tortola, and stores from Brazil, British Guiana, Panama, and Trinidad.

Evergestis forficalis (Pyraustidae) in cabbage in stores from Belgium, France, and the Netherlands; and in cauliflower in stores from France.

Gnorimoschema ocellatella (Gelechiidae) in beet in stores from Italy and the United Arab Republic; and in stores (with string bean) from Italy.

Gryllotalpa africana (Gryllotalpidae) with cargo (aircraft parts) by air from Japan.

Gryllus bimaculatus (Gryllidae) (8 times) as stowaway in airplane and in air baggage from Morocco.

Haplothrips tritici (Phlaeothripidae) in wheat stalk in air baggage from the Union of Soviet Socialist Republics.

Heterobostrychus brunneus (Bostrichidae) in packing boards on cargo from the Republic of the Congo and West Africa.

Lampides boeticus (Lycaenidae) in mauna loa lei in air baggage, baggage, and mail from Hawaii, pea pod in stores from Japan, sesbania seed in air baggage from Hawaii, and string bean in air baggage from Italy.

Laspeyresia splendana (Olethreutidae) (93 times) in acorn in mail from Switzerland; in air baggage (with apple) from Portugal; in cork oak seed in cargo from Italy; and in European chestnut in air baggage from the Azores, France, Greece, Italy, and Portugal, baggage from Austria, France, Italy, Portugal, Spain, and an unknown origin, and cargo and mail from Italy.

Lema bilineata (Chrysomelidae) in excelsior packing with melon in cargo from Chile.

Leucinodes orbonalis (Pyraustidae) in eggplant in air baggage from Ghana and stores from the Federation of Malaysia(?) and Senegal.

Lobesia botrana (Olethreutidae) in grape in air baggage from Italy.

Mamestra brassicae (Noctuidae) (24 times) on cabbage in stores from Belgium, France, Italy, and the Netherlands; cauliflower in stores from Denmark, France, Italy, and the Netherlands; kale in air baggage from Denmark; lettuce in stores from France and Spain; in quarters (with gladiolus cut flowers) by air from Italy; and on Swiss chard in stores from Italy.

Maruca testulalis (Pyraustidae), a bean pod borer (22 times), in air baggage (with coriander seed) from the Dominican Republic; in lima bean in cargo from Puerto Rico; mauna loa lei in air baggage and baggage from Hawaii; pigeonpea in air baggage from the Dominican Republic, Panama, and Puerto Rico and cargo from Puerto Rico; sesbania seed in air baggage from Hawaii; and string bean in air baggage and cargo from Puerto Rico and stores from Japan, Puerto Rico, Senegal, and Surinam.

Matsumuraeses phaseoli (Olethreutidae) in string bean in stores from Japan.

Melolontha melolontha (Scarabaeidae) in quarters of airplane from Switzerland.

Monosteira unicostata (Tingidae) in almond in air baggage from Greece.

Naupactus xanthographus (Curculionidae) in honeydew melon and melon in cargo from Chile.

Nephrotettix apicalis (Cicadellidae) with aircargo of silk stoles from India and with dry stores from an unknown origin.

Ostrinia nubilalis (Pyraustidae) in apple in baggage from Italy; bell pepper in air baggage from Italy, air stores from Japan, and stores from Italy and Sweden; burdock stem in stores from Japan; with corn seed in aircargo from Italy and in fresh corn ear in stores from Thailand; in peach in air stores from an unknown origin; and in rice in aircargo from Japan.

Oxyacarenus hyalinipennis (Lygaeidae) in cottonseed in cargo from Pakistan and pomegranate in air baggage from Israel and baggage from Greece.

Pectinophora gossypiella (Gelechiidae), the pink bollworm (56 times), in cotton boll, cotton lint, cottonseed, Hawaiian seed cotton, okra, and seed cotton from Barbados, Brazil, Dominican Republic, Grenada, Haiti, Hawaii, Jamaica, Liberia, Mexico, Pakistan, an unknown origin, and Venezuela.

Phalonia zephyrana (Phaloniidae) in carrot in stores from Italy.

Phlyctinus callosus (Curculionidae) (13 times) in grape in cargo and quarters from the Republic of South Africa.

Pieris brassicae (Pieridae) in cabbage in stores from France and Italy and with military cargo from the Azores and Morocco.

Prays oleellus (Yponomeutidae) in olive in air baggage from Italy and baggage from Greece.

Premnotrypes latithorax (Curculionidae) in potato tuber in air baggage from Bolivia.

Prodenia litura (Noctuidae) in airplane from an unknown origin; in beet and pepper in stores from Israel; and with aircargo from the Philippines.

Sesamia cretica (Noctuidae), the durra stem borer (8 times), in broomcorn in baggage from Italy, cargo from Greece, Italy, and Spain; corn ear in air baggage from Italy and an unknown origin; and corn husk packing in mail from Italy.

Sesamia nonagriodes (Noctuidae) with chestnut in air baggage from Portugal and baggage from Spain.

Spanioneura fonscolombei (Psyllidae) on carnation and chrysanthemum cut flowers in air quarters from England.

Stephanoderes hampei (Scolytidae) in Arabian coffee berry in air baggage from Brazil; and coffee berry in air baggage from Formosa, cargo from the Republic of South Africa and an unknown origin, and mail from an unknown origin.

Sternochetus mangiferae (Curculionidae) in mango in air baggage from Hawaii and India and mail and stores from Hawaii.

Taeniothrips eucharii (Thripidae) on *Lycoris* spp. and narcissus bulbs in cargo from Japan.

Tetranychus viennensis (Tetranychidae) on apple in air baggage from Hungary and Japan.

Thrips imaginis (Thripidae) on hyacinth cut flower in air quarters and rose cut flower in baggage from Australia.

Tortrix excessana (Tortricidae) in apple in cargo from New Zealand.

Trogoderma granarium (Dermestidae), the khapra beetle (225 times), with bagging and ballast, in broadbean, with cargo and in cargo hold, in celery seed,

chickpea, cinnamon, coriander seed, cumin seed, with debris, in divi-divi pod, fennel seed, grain, gum arabic, gum tragacanth, gum zedou, guar gum, karaya gum, mung bean, myrobalan, nutmeg, pea, pigeonpea, pistache nut, psyllium seed, *Pyrus* sp. seed, quarters, rice, soybean, stores, string bean, talha gum, and tamarind seed powder. Countries of origin of the infested materials were Ceylon, England, Federation of Malaysia, Formosa, France, Germany, Hong Kong, India, Iran, Japan, Kenya(?), Korea, Kuwait, Lebanon, Netherlands, Pakistan, Seychelles, Sudan, Thailand, and an unknown origin.

Unaspis yanonensis (Coccidae), the yanone scale (427 times), on *Citrus* sp., grapefruit, lemon, lime, Mandarin orange, Marumi kumquat, sour orange, sweet orange, tangelo, and yuzu from Australia, China, Fiji, Hong Kong, Italy, Japan, Philippines, and an unknown origin.

SNAILS

The following snails are of particular interest:

Achatina fulica, the giant African snail, on packing crate of military cargo by air from Formosa.

Arianta arbustorum with air baggage from Germany, on cauliflower and lettuce in stores from the Netherlands, and on violet plant in air baggage from Germany.

Bradybaena similaris (10 times) on anthurium in air baggage and mail from Hawaii, on dasheen plant in air baggage, ti in aircargo, and cut flowers in mail from Hawaii; military cargo from Bermuda; and orchid flowers in aircargo, cargo, and mail from Hawaii.

Cochlicella barbara (31 times) on automobile in cargo from Libya and Morocco, four-o'clock seed in cargo from France, garlic in stores from Morocco, and military cargo from Crete, France, Greece, Morocco, and Spain.

Cochlicella ventrosa (18 times) on automobile in cargo from Libya, cabbage and leek in stores from Portugal, lettuce in stores from Italy, and military cargo from the Azores and Spain by air and by surface cargo from the Azores, Morocco, Spain, and an unknown origin.

Fifteen species of *Helicella* were intercepted a total of 92 times from Crete, Denmark, England, France, Germany, Greece, Italy, Libya, Morocco, Netherlands, Spain, Turkey, and an unknown origin. The hosts were airplane, automobile, cabbage, cauliflower, chicory, cork oak, four-o'clock seed, leek, military cargo, residue in hold, soil with begonia plant, stores, and tassel grapehyacinth. *Helicina neritella* on orchid plant in air baggage from Jamaica.

Helix figulinia on military cargo by air from Turkey. *H. pomatia* with air baggage from Germany.

Monacha cantiana and *M. carthusiana* on military cargo from France. *M. olivieri* on military cargo from Greece and Turkey, and in soil with plant in baggage from Greece.

Retinella hammonis in soil in air baggage from Ireland, soil with birch shoot in air baggage from Italy, and soil with potted plant in air baggage from Germany.

Rumina decollata on military cargo from Morocco.

Subulina octona on four-o'clock seed in cargo from the Netherlands and orchid plant in aircargo from Peru.

Theba pisana, the Mediterranean land snail (59 times) on airplane, automobile, cork oak, crate, cut flowers, dried plant material, four-o'clock seed, leek, lettuce, Madonna lily, protea flowers, stores, and sweet orange from the Azores, Crete, France, Italy, Libya, Morocco, Netherlands, Portugal, Republic of South Africa, Spain, and an unknown origin.

Other snails of importance were *Cecilioides acicula*, *Helix aspersa*, *Lamellaxis mica*, *Limax marginatus*, *Milax gagates*, *Otala lactea*, *O. vermiculata*, *Oxychilus alliarius*, *Opeas pumilum*, *O. pyrgula*, and *Trichia hispida*.

DISEASES

Elsinoe australis, the sweet orange seab, was intercepted 209 times; 92 from Brazil, 78 from Argentina, 16 from South America (country(?)), 14 from an unknown origin, 7 from Uruguay, and 2 from Paraguay. Hosts were grapefruit, lemon, Mandarin orange, sour lime, and sweet orange.

Guignardia citricarpa (*Phoma* stage), the black spot of citrus, was intercepted 556 times, 259 from the Republic of South Africa, 104 from Hong Kong, 85 from Japan, 36 from Australia, 35 from an unknown origin, 15 from China, 9 from Formosa, 3 from Brazil, 2 each from Pakistan, Philippines, and Vietnam, and 1 each from India(?), Okinawa, Tahiti(?), and Thailand. Hosts were *Citrus* sp.,

grapefruit, lemon, lime, Mandarin orange, pummelo, sour orange, and sweet orange. *Xanthomonas citri*, citrus canker, was intercepted 377 times; 161 from India, 151 from Japan, 22 from Hong Kong, 13 from China, 11 from an unknown origin, 6 from Formosa, 3 each from Afghanistan, Federation of Malaysia, and Thailand, 2 from Pakistan, and 1 each from the Philippines and Vietnam. Hosts were *Citrus* sp., grapefruit, lemon, lime, Mandarin orange, pummelo, sour orange, sweet orange, and tangelo.

Xanthomonas sp. (Cancrosis B) was intercepted 19 times; 14 from Argentina, 3 from an unknown origin, and 2 from South America (country (?)). Hosts were lemon and sweet orange.

Other diseases of special interest were:

Puccinia buxi on boxwood leaf in air baggage, air quarters, and air stores from England, Europe (country (?)), France, Ireland, Switzerland, and an unknown origin.

Puccinia dochmia(?) on muhly grass packing in baggage from Mexico.

Puccinia erythropus on Chinese silvergrass in stores from Japan.

Puccinia iridis on iris leaf in mail from Austria.

Puccinia longicornis on bamboo leaf in stores from Japan.

Puccinia oncidii on *Oncidium* sp. leaf in aircargo from Ecuador.

Puccinia thaliae on canna leaf in air baggage from Honduras.

Puccinia urbaniana on *Jamacia* falsevalerian leaf in air baggage from the Dominican Republic.

Rhytisma decolorans on lyonia leaf in airmail from Nepal.

Rose mosiac—yellow type on cut roses in air baggage from Haiti.

Sphaceloma poinsettiae on common poinsettia in air baggage from Guatemala.

Sphaceloma spondiadis on "jobo" in air baggage from Barbados, purple mombin in air baggage from the Dominican Republic and El Salvador, *Spondias* sp. in air baggage from Trinidad, and vi-apple in air baggage from Guatemala.

Thecaphora solani on Irish potato in air baggage from Colombia.

Uromycladium tepperianum on graceful-wattle acacia seed in airmail from Australia.

NEMATODES

Nematodes of special interest were:

Aphelenchoides blastophthorus in lily-of-the-valley pips in cargo from Denmark.

Aphelenchoides parietinus in soil on raintree saman log in cargo from Fiji.

Criconema celetum in soil with camellia plant in baggage from Portugal.

Criconema fimbriatum (first interception) in soil with begonia plant in baggage from Mexico.

Criconemoides curvatum in soil with begonia plant in baggage from Argentina, soil with camellia in baggage from Portugal, and soil with mint in baggage from Mexico.

Criconemoides informe in soil with beech and spruce plants in air baggage from Germany.

Criconemoides mutable in soil with amaryllis bulb, dahlia root, mango seedling, and unidentified plant in baggage from Mexico.

Ditylenchus dipsaci in narcissus bulb in mail from England.

Helicotylenchus nannus (17 times) in crown-of-thorns euphorbia, in soil with begonia, caladium, coleus, dracaena, mango, mint, palm, onion, and unidentified plants. Countries of origin were Argentina, Brazil, Hawaii, Japan, Mexico, and the Philippines.

Hemicriconemoides mangiferae (first interception) in soil with coleus plant in baggage from Mexico.

Heterodera avenae is soil with automobile in cargo from France and soil with dahlia root in air baggage from Germany.

Heterodera rostochiensis, the golden nematode (32 times), in soil with automobile in cargo from England and Germany and soil with the following plant material: Amaryllis bulb in air baggage from an unknown origin, cactus plant in air baggage from England, calla lily plant in air baggage from Germany, carrot in stores from the Netherlands, celery in stores from Norway, dahlia root in air baggage from Ireland, English ivy plant in baggage from Germany, garden sage plant in air baggage from England, garlic in cargo from Peru, grass plant in air baggage from England, heather plant in air baggage from Scotland, potato in stores from Argentina, Canary Islands, and England, primrose plant in baggage and mail from England, *Prunus* sp. cutting in air baggage from Sweden, *Rubus* sp. plant in mail from England, shamrock leaf in mail from Ireland and shamrock

plant in airmail from Northern Ireland, *Solanum* spp. tubers in airmail from South America (country(?)), stonecrop plant in air baggage from England, strawberry plant in air baggage from Germany, and unidentified plant in air baggage from England.

The rootknot nematodes were intercepted a total of 39 times in roots of various bulbs, plants, and vegetables as follows: *Meloidogyne arenaria* (6 times), for the first time from Nicaragua; *M. hapla* (11 times), for the first time from Ireland, Lebanon, and Portugal; *M. incognita* (4 times), *M. incognita acrita* (11 times), for the first time from Senegal; *M. incognita incognita* (once); and *M. javanica* (6 times), for the first time from Nicaragua.

Pratylenchus convallariae in lily-of-the-valley pip in cargo from Denmark.

Pratylenchus penetrans in dahlia root in mail from the Republic of South Africa and in soil with camellia plant in baggage from Portugal.

Radopholus similis in anthurium root in baggage and ginger rhizome in cargo from Hawaii.

Rotylenchus goodeyi in horseradish root in quarters from England.

Rotylenchus robustus in horseradish root in quarters and in soil with Euphorbiaceae in air baggage from England.

Rotylenchus uniformis in soil with camellia in baggage from Portugal and in soil with "shamrock" in mail from Ireland.

Scutellonema brachyurum in liliaceous plant in baggage from Australia, in soil with bulb in baggage and gardenia plant in cargo from Mexico, in soil with liliaceous plant in air baggage from Japan, and in soil with unidentified plant in air baggage from Hawaii and baggage from Mexico.

Tylenchorhynchus capitatus in soil with camellia plant in baggage from Portugal and soil with chalice vine and unidentified tree in baggage from Mexico.

Tylenchorhynchus crassicaudatus (first interception) in soil with arum plant in air baggage from the Philippines and scil with privet plant in air baggage from Japan.

INCOMPLETELY DETERMINED PESTS

It is not always possible to complete a determination as to species, due to the stage or condition of the insect or pathogen when intercepted or the fact that it may be undescribed. Many of these pests are of potential economic importance, unreported from the country of origin or the United States, or new to the host plant. Some of the more significant ones are included in this writeup, but not in the tabulation except in the summary. This year there were 4,558 insects and mites and 761 diseases and nematodes, or a total of 5,319 incompletely determined interceptions considered important enough to record. Snails not identified to species are not recorded.

INCOMPLETELY DETERMINED FRUIT FLIES

A total of 571 fruit flies not identified to species were as follows:

Anastrepha sp., possibly *distincta* Greene (once), in *Inga* sp. pod in baggage from Mexico.

Anastrepha sp., possibly *fraterculus* (3 times) in Arabian coffee berry in air baggage from Brazil and quince in stores from Peru.

Anastrepha sp., probably *ludens* (24 times), in mango, peach pear, quince, sapote fruit and seed, sweet lime, and sweet orange in baggage from Mexico; and in sweet orange in air baggage from Guatemala and air stores from Mexico.

Anastrepha sp., probably *mombinpraeoptans* (47 times) in mango in air baggage from British Honduras, Costa Rica, Dominican Republic, Ecuador, El Salvador, Haiti, Honduras, Jamaica, Nicaragua, Panama, and Puerto Rico, aircargo from Guatemala, air quarters from Mexico, baggage from British Honduras, Honduras, Mexico, and Trinidad, cargo from the Dominican Republic, quarters from Jamaica, Panama, and an unknown origin, and stores from El Salvador and Haiti; in guava in air baggage from Colombia; in vi-apple in air baggage from Puerto Rico; and in yellow mombin in air baggage from the Dominican Republic and Guatemala and baggage from Puerto Rico.

Anastrepha sp., possibly *ocresia* (once) in sapodilla in air baggage from the Dominican Republic.

Anastrepha sp., possibly *serpentina* (Wied.) (5 times), in mamey in air baggage from Peru; sapodilla in air baggage from Colombia, Mexico, and Nicaragua, and star-apple in air baggage from Panama.

Anastrepha sp., probably *striata* (20 times), in guava in air baggage from Colombia, Costa Rica, Ecuador, Nicaragua, and Panama, baggage from El Salvador and Mexico, and quarters from Mexico.

Anastrepha sp., probably *suspensa* (65 times), in guava in air baggage from the Dominican Republic, Jamaica, and Puerto Rico, and airmail, baggage, and mail from Puerto Rico; in sapodilla in air baggage from the Dominican Republic and Jamaica; and in tropical almond in air baggage from the Dominican Republic, Jamaica, and Puerto Rico.

Anastrepha sp. (303 times) in acerola, apple, Arabian coffee berry, avocado, Barbados-cherry malpighia, broadbean (new host), cherimoya, chupa-chupa, cucurbit, custard-apple, fig, giant granadilla, grapefruit, guava, hawthorn fruit, *Inga* sp. (?) seed pod, lime, loquat, Malay-apple, Mandarin orange, mango, peach, peach palm fruit, pear, plum, pomegranate, ponderosa lemon, quince, red mombin, rose-apple, sapodilla, sapote, soursop, star-apple, sweet orange, tropical almond, vi-apple, white sapote, and yellow mombin. Countries of origin were Argentina (?), Bahamas, Bolivia, Brazil, British Guiana, British Honduras, Chile, Colombia, Costa Rica, Curacao, Dominica, Dominican Republic, Ecuador, El Salvador, Guadeloupe, Guatemala, Haiti, Honduras, Jamaica, Mexico, Nicaragua, Panama, Peru, Puerto Rico, Trinidad, an unknown origin, and Venezuela. *Anastrepha* sp. (?) (7 times) in coffee berry in air baggage from Colombia, *Inga* sp. pod in air baggage from Ecuador, mango in aircargo from Jamaica, baggage from Mexico, and quarters from Venezuela, and in peach and sweet orange in baggage from Mexico.

Ceratitis sp., probably *capitata* (once), in sweet orange in baggage from Italy. *Dacus* sp., probably *dorsalis* (once), in mango in air baggage from Hawaii.

Dacus sp. (10 times) in cucumber in stores from Ghana and West Africa, *Cucumis heptadactylus* seed in mail from the Republic of South Africa, Cucurbitaceae in air baggage from India, grapefruit in air baggage from Pakistan, mango in air baggage from India and the Philippines, pepper in stores from Angola, and squash in stores from Senegal. *Dacus* sp. (?) (3 times) in cucumber in stores from Liberia, mango in air baggage from the Philippines, and towel-gourd in baggage from Vietnam.

Rhagoletis sp., probably *alternata* (once), in rose hip in baggage from Germany.

Rhagoletis sp., probably *cerasi* (6 times), in cherry in air baggage from Austria, Hungary, and an unknown origin, aircargo from Switzerland, and air stores from France and an unknown origin.

Rhagoletis sp. (37 times) in apple in air baggage and baggage from Mexico, cherry in air baggage from Sweden and air quarters from an unknown origin, and crabapple, hawthorn fruit, and *Lycium berlandieri* in baggage from Mexico. *Rhagoletis* sp. (?) (9 times) in apple in baggage from Italy and Mexico and stores from Peru, baggage (with beans) from Italy, *Lycium berlandieri* in baggage from Mexico, peach in air baggage from Mexico, and quince in baggage from Mexico.

Tephritidae (23 times) larva and pupa in apple in air stores from Canada and Germany and baggage from Mexico, pupa in celery in stores from France, pupa in chili pepper in air baggage from Thailand, adult with *Chrysanthemoides* sp. seed in aircargo from the Republic of South Africa, pupa with chrysanthemum flower in air baggage from Japan, larva with frangipani flower in mail from Hawaii, larva in grapefruit in stores from Israel (?), pupa with guar gum in cargo from India, larva with heather in air baggage from Scotland, pupa with karaya gum in cargo from India, larva in peach in air stores from Peru, larva in pepper in baggage from Mexico, larva in pomegranate in air baggage from Argentina, larva and pupa in preserved fruit in stores from Algeria (?), larva in star-apple in air baggage from the Philippines, eggs in sweet orange in stores from Venezuela and larva in stores from Costa Rica, pupa in tomato in stores from an unknown origin, larva in tropical almond in air baggage from Hawaii, and larva and pupa in unidentified seed in air baggage from Italy. *Tephritidae* (?) (4 times) larva in apple in stores from Peru, pupa with banana in cargo from Ecuador, larva in chili pepper in baggage from Mexico, and larva in genip fruit in air baggage from Venezuela.

INCOMPLETELY DETERMINED INSECTS

Of special interest among the incompletely determined insects, other than fruit flies, were the following:

Acheta sp., near *hispanicus* (Gryllidae), evidently a native Moroccan cricket not known to occur in the United States, in the baggage compartment of an airplane from Morocco.

Aleyrodidae, new genus near *Aleurodicus*, n. sp., on *Encyclia* sp. plant in aircargo from Honduras; *Laelia anceps* plant in cargo from Mexico; *Odontoglossum* sp. leaf in aircargo from Guatemala; *Oncidium cebolleta* leaf in cargo from Mexico;

Oncidium sp. leaf in aircargo from Guatemala; and orchid leaf in air baggage from Guatemala, aircargo from El Salvador and Guatemala, and cargo from Mexico. Aleyrodidae, genus and species not recognized, very interesting, on grape leaf in air stores from France.

Anthonomus sp., probably *rectirostris* (Curculionidae), in wild Mazzard cherry seed in cargo from Austria.

Aphidae, genus near *Jacksonia* and *Carolinaia*, species not recognized, on cedar seedling in air baggage from Lebanon.

Apion sp., probably *carduorum* Kirby (Curculionidae), in cardoon in mail from Italy and artichoke in aircargo from France.

Arhopalus sp., possibly *ferus* (Muls.) (Cerambycidae), in coniferous packing board on marble in cargo from Italy.

Baris sp., probably *lepidii* Germ. (Curculionidae), in horseradish roots in air baggage from Yugoslavia.

Bemisia sp., apparently undescribed, near *shinanoensis* (Kuw.) (Aleyrodidae), on carnation and chrysanthemum cut flowers in air baggage and spirea leaf in air quarters from Japan.

Brachyrhinus sp. (Curculionidae) on amaryllis bulb in air baggage from Greece, astilbe roots in cargo from the Netherlands, boxwood leaf in air quarters from an unknown origin, packing material in cargo from the Netherlands, pomegranate in air baggage from Israel, rose in air baggage from Finland, rose and lilac in air cargo and cargo from Germany, and in soil with cactus and stonecrop plants in air baggage from Belgium.

Bruchidius sp., near *dispar* Gyll. (Bruchidae), in *Crotalaria* sp. seed pod in aircargo from the Republic of the Congo.

Bruchidius sp., near *orchesioides* Heyd. (Bruchidae), in guar seed in airmail and mail from India and in cargo from Pakistan,

Bruchus sp., probably *lentis* (Bruchidae), in lentil in stores from Germany.

Ceutorhynchus sp., possibly *contractus* Marsh. (Curculionidae), in turnip in stores from France.

Cnephasia sp., near or *virgaureana* (Treit.) (Tortricidae), on lettuce in air stores from England(?).

Conarthrus sp., near *cylindricus* (Woll.) (Curculionidae), in bamboo support with orchid in baggage from Brazil.

Cylas sp., possibly *puncticollis* (Curculionidae), in sweetpotato in cargo from Nigeria.

Diaprepes sp., probably *abbreviatus* (Curculionidae), in *Dioscorea* sp. tuber in baggage and cargo from Puerto Rico.

Earias sp. (Noctuidae) in okra pod in air baggage from India.

Epicaerus sp., probably *cognatus* Sharp (Curculionidae), in potato in cargo from Mexico.

Gymnandrosoma sp. (Olethreutidae) with akee and pomegranate fruits in air cargo from Colombia; in jujube in air baggage from Honduras; in lime in baggage from Mexico; and in sweet orange in baggage from Mexico, quarters from Venezuela, and stores from Brazil, Ecuador, and Venezuela.

Harmolita sp. (Eurytomidae) (12 times) in esparto needlegrass brooms in cargo from Italy.

Heilipus sp., possibly *trifasciatus* (F.) (Curculionidae), in *persea* budwood in aircargo from Costa Rica.

Hylobius sp. (Curculionidae) in linganberry in air baggage from Finland.

Hylurgops sp., probably *palliatus* (Gyll.) (Scolytidae), in pine log in dunnage from Finland.

Hypera sp., evidently *brunneipennis* Boh. (Curculionidae), in garlic in cargo from Mexico, lemongrass in baggage from Mexico, rice straw packing in cargo from the United Arab Republic, soil in baggage from Mexico, and tomato in cargo from Mexico.

Lixus sp. (Curculionidae) in beet in stores from the United Arab Republic, bell pepper in cargo from Mexico, corn stalk in cargo from an unknown origin, and turnip in stores from Italy.

Mamestra sp., probably *brassicae* (Noctuidae), in airplane from Japan.

Phyllotreta sp., probably *consobrina* Curtis (Chrysomelidae), in cabbage in stores from France.

Phyllotreta sp., probably *cruciferae* (Goeze) (Chrysomelidae), in cabbage in stores from Italy.

Prays sp., near or *endocarpa* Meyr. (Yponomeutidae), in sweet orange in air cargo from the Philippines.

Premnotypes sp., probably *solani* Pierce (Curculionidae), in potato in stores from Peru. *Premnotypes* sp. (31 times) in potato in air baggage from Bolivia, Colombia, and Peru, baggage from Colombia, and stores from Colombia, Ecuador, and Peru; and an adult on cardboard carton of bell pepper in stores from an unknown origin.

Rhynchaenus sp. (Curculionidae) on rose and lilac in aircargo from the Netherlands.

Rhynchites sp. (Curculionidae) in *Berberis* sp. seed in airmail and mail from Nepal; in glandbearing oak seed in mail from Japan, with lichen in baggage from Mexico, on orchid plant in cargo from Mexico, and in wild Mazzard cherry seed in cargo from Austria.

Rhynchotarsonemus n. sp. (Tarsonemidae) on boxwood leaf in air quarters from England.

Selenaspidus sp., probably new (Coccidae), on *Cycas* sp. seed in mail from Nigeria.

Sesamia sp., possibly *nonagrioides* (Noctuidae), on cabbage in stores from Italy.

Strophosoma sp. (Curculionidae) in packing material in cargo from the Netherlands.

Thripidae, undescribed genus and spp., on anthurium cutting in air baggage from Colombia.

Tipula sp., *oleracea* group (Tipulidae), in soil with pine seedling in air quarters from Germany and on strawberry plant in air baggage from Sweden.

Xyleborus sp., near *eurygraphus* Ratz. (Scolytidae), in melon in cargo from Spain.

INCOMPLETELY DETERMINED DISEASES

Of the 382 incompletely determined diseases, the following are of special interest:

Ascochyta sp. on *Epimedium niveum* leaf in aircargo from England. None reported on this host as far as is known.

Cercospora sp., apparently undescribed, on philodendron cutting in cargo from Mexico. No record on this host. *Cercospora* sp. on anthurium leaf in baggage from Mexico.

Pestalotia sp. on *Arachnanthe flos-aeris* var. *insignis* orchid leaf in aircargo from Thailand. No report on this host as far as known.

Phyllosticta sp. on *Vaccinium leucanthemum* leaf in air quarters from Mexico. Does not agree entirely with any reported *Phyllosticta* on this host genus.

Pleurotes sp. on star cactus in cargo from Mexico.

Uromycladium sp., prob. *alpinum* McAlp., on flaxleaf acacia seed in mail from Australia.

INCOMPLETELY DETERMINED NEMATODES

Of the 379 nematode interceptions not completely identified, the following are significant:

Aphelenchoides sp., probably *parietinus* or *chamelocephalus*, in ginger root in cargo from Japan.

Criconemoides sp., near *informe*, in amaryllis and in soil with fern in baggage from Mexico.

Criconemoides sp., probably new species close to *xenoplax* Raski, 1952, in soil with pyramid Chinese juniper in baggage from Japan.

Criconemoides sp. in soil with various unidentified plants in baggage from Mexico.

Ditylenchus sp., probably *dipsaci*, in onion in air baggage from Mexico.

Ditylenchus sp. in lily-of-the-valley pip in cargo from Denmark.

Helicotylenchus sp., close to *digonicus* Perry in Perry, Darling and Thorne, 1959, in soil with mountain heath in mail from Scotland.

Helicotylenchus sp. (35 times) in *Chamaedorea* sp. plant, common portulaca plant, dahlia root, soil, and soil with the following plants: Agave, begonia, bougainvillea, cactus, coffee, fern, gardenia, ginger, lavender, lily, mint, pepper, philodendron, primrose, spiderwort, unidentified, and verbena. Countries of origin were England, Finland, Guatemala, Hawaii, Italy, and Mexico.

Heterodera sp., probably *rostochiensis*, in soil with fuchsia plant in air baggage from Ireland.

Heterodera sp., *goettingiana* group (78 times), in soil samples, soil with automobiles and military cargo, and soil with various plants and vegetables from Argentina, Azores, England, France, Germany, Greece, Guatemala, Ireland,

Italy, Japan, Mexico, Netherlands, Poland, Portugal, Scotland, Spain, Sweden, and Yugoslavia.

Heterodera sp., *rostochiensis* group, probably "horsenettle cyst nematode," in soil with bougainvillea plant in baggage from Mexico and ullucus tuber in air baggage from Bolivia. *Heterodera* sp., *rostochiensis* group, in soil with begonia, chili pepper, Chinese hibiscus(?), mango, nasturtium, *Origanum* sp. (?), and treebine plants in baggage from Mexico; and in soil with potato in stores from Germany and Italy.

Heterodera sp., *schachtii* group (111 times), in soil samples, soil with automobiles and van pack skids, and soil with various flower plants and vegetables. Countries of origin were Argentina, Australia, Belgium, Canary Islands, Chile, Czechoslovakia, Denmark, England, Finland, France, Germany, Greece, Guatemala, Ireland, Italy, Lebanon, Netherlands, New Zealand, Norway, Okinawa, Paraguay, Poland, Portugal, Scotland, Sweden, and an unknown origin.

Heterodera sp. (4 times) in soil with cactus plant in air baggage from Germany, soil with potato in air baggage from Ireland, soil with rosemary plant in air baggage from Poland, and soil with shamrock in mail from Northern Ireland.

Hoplolaimus sp. (3 times) in soil with agave, pricklypear, and unidentified plants in baggage from Mexico.

Meloidogyne sp. (33 times) in roots of various flower and ornamental plants from Austria, England, Fiji, Germany, Hawaii, India, Japan, Mexico, Netherlands, Portugal, Republic of South Africa, Spain, and Switzerland.

Paratylenchus sp. in soil with mountain heath plant in mail from Ireland.

Pratylenchus sp. (12 times) in amaryllis bulb, cornflower root, Fortunes plantainlily root, helianthus root, lungwort root, and in soil with coffee, maidenhair fern, mountain heath, and unidentified plants from the Azores, England, India, Ireland, Mexico, Netherlands, and the Republic of South Africa.

Psilenchus sp. in unidentified plant in mail from India.

Rotylenchus sp. in soil with yucca in cargo from Guatemala.

Scutellonema sp. in soil with amaryllis plant, gardenia plant, and lily bulb in baggage and ragweed plant in mail from Mexico.

Trichodorus sp. in soil with camellia plant in baggage from Portugal.

Tylenchorhynchus sp., near *latus* Allen, 1955, in soil with gardenia plant in baggage from Mexico.

Tylenchorhynchus sp. (18 times) in soil with agave, chrysanthemum, coleus, gardenia, hibiscus, orchid, pricklypear, succulent, and unidentified plants in baggage from Mexico, soil with snails in air baggage from the Philippines, soil with unidentified plants in air baggage from England, and in tuberous begonia in air baggage and mail from Belgium.

Tylenchus sp., near *discrepans* Andrassy, 1954, in soil with pine plant in air baggage from Japan.

Tylenchus sp. (5 times) in soil with begonia in baggage from Argentina, soil with coffee, dahlia, and philodendron plants in baggage from Mexico, and in unidentified plants in mail from India.

Xiphinema sp. (5 times) in soil with amaryllis bulb and pepper plant in baggage from Mexico, soil with camellia in baggage from Portugal, and soil with common cassava root in cargo from Guatemala.

CHANGES IN NOMENCLATURE

For reference purposes the following list represents insect name changes which have occurred since the issuance of the previous list. Disease name changes are included in the tabulation.

Aleurotrachelus jelenekii (Frauen.) (= *Frauenfeldiella jelenekii* (Frauen.))

Bruchidius villosus (F.) (= *Sparteus villosus* (F.))

Bruchus rufipes Hbst. (= *B. guttalilis* Rey)

Incisitermes repandus (Hill) (= *Kalotermes repandus* Hill)

Lygaeus pulchellus F. (= *Ochrostomus pulchellus* (F.))

Merodon equestris (F.) (= *Lampetia equestris* (F.))

Ovatus crataegarius (Wlk.) (= *Phorodon menthae* (Buckt.))

Taeniothrips eucharii (Whetzel) (= *T. gracilis* Moulton)

Summary of Numbers of Interceptions Listed in Main Table

Country	Insect	Disease	Country	Insect	Disease
Africa:					
Africa (country(?))	5	0	Europe—Continued		
Algeria	6	0	Denmark	26	2
Angola	1	0	England	173	51
Canary Islands	1	1	Europe (country(?))	115	12
Cape Verde Islands	1	0	Finland	5	0
Ethiopia	2	0	France	124	8
Federation of Rhodesia and Nyasaland	1	0	France(?)	1	0
Ghana	3	0	Germany	89	16
Ivory Coast	1	0	Greece	74	3
Kenya	5	0	Hungary	15	0
Kenya(?)	1	0	Ireland	98	31
Liberia	8	0	Italy	585	17
Libya	10	0	Malta	3	0
Madagascar	2	0	Netherlands	76	7
Morocco	59	0	Netherlands(?)	1	0
Mozambique	2	0	Northern Ireland	0	1
Nigeria	4	0	Norway	8	3
Republic of South Africa	23	275	Norway(?)	0	1
Republic of the Congo	8	0	Poland	33	0
Senegal	5	1	Portugal	53	7
Seychelles	1	0	Scotland	23	5
Sierra Leone	8	0	Spain	104	8
Sudan	66	0	Sweden	7	2
United Arab Republic	11	0	Switzerland	15	25
West Africa	6	0	Union of Soviet Socialist Republics	1	0
Zanzibar	1	0	Yugoslavia	8	0
Asia:					
Afghanistan	0	3	North America:		
Burma	1	0	Bermuda	4	0
Ceylon	5	0	Bermuda(?)	1	0
China	9	28	Canada	3	2
Cyprus	3	0	Central America:		
Federation of Malaysia	3	4	British Honduras	17	1
Federation of Malaysia(?)	1	0	Canal Zone	22	5
Formosa	11	16	Costa Rica	21	7
Hong Kong	22	127	El Salvador	47	3
Hong Kong(?)	1	0	Guatemala	51	10
India	84	163	Honduras	11	4
India(?)	0	1	Nicaragua	22	5
Indonesia	2	0	Panama	54	3
Iran	9	0	Panama(?)	1	0
Israel	33	0	Iceland	2	0
Japan	518	466	Mexico	848	73
Japan(?)	1	0	Mexico(?)	0	1
Jordan	2	0	West Indies:		
Korea	1	0	American Virgin Islands	1	0
Kuwait	1	0	Antigua	5	0
Lebanon	11	2	Aruba	1	0
Macao	1	0	Bahamas	6	3
Nepal	0	1	Barbados	8	1
Pakistan	23	4	British Virgin Islands	1	0
Thailand	7	5	British West Indies (island (?)	1	0
Turkey	20	0	Cuba	5	0
Vietnam	6	3	Curacao	2	0
Australasia:					
American Samoa	5	1	Dominica	2	0
Australia	20	43	Dominican Republic	175	16
Australia(?)	1	0	Grenada	4	1
Eniwetok	1	0	Haiti	40	11
Fiji	18	1	Jamaica	60	14
Guam	6	0	Nevis	1	0
Hawaii	555	9	Puerto Rico	65	12
Kwajalein	4	0	St. Kitts	3	0
New Guinea	1	2	St. Martin	2	0
New Zealand	5	4	Tortola	3	0
Okinawa	2	1	Trinidad	19	2
Okinawa(?)	1	0	West Indies (island(?))	21	0
Palmyra Island	1	0	South America:		
Philippines	36	7	Argentina	10	96
Tahiti	15	0	Bolivia	1	0
Tahiti(?)	0	1	Brazil	59	102
Wake Island(?)	1	0	British Guiana	3	1
West Pacific	3	0	Chile	8	0
Europe:					
Austria	5	6	Colombia	10	2
Azores	35	0	Ecuador	59	9
Belgium	12	2	French Guiana	1	0
Crete	7	0	Paraguay	0	2
Czechoslovakia	3	0	Peru	10	7
		1	South America (country(?))	0	19
		1	Surinam	3	1
		1	Uruguay	1	7

Summary of Numbers of Interceptions Listed in Main Table—Continued

Country	Insect	Disease	Country	Insect	Disease
South America—Continued			Totals—Continued		
Venezuela-----	6	0	Incompletely determined		
Totals:			pests-----	4,558	761
Africa-----	241	277			
Asia-----	775	823	Total insect interceptions-----	9,849	
Australasia-----	675	69	Total disease interceptions-----		2,633
Europe-----	1,702	208	Grand total*-----		12,482
North America-----	1,529	174			
South America-----	171	246			
Unknown-----	198	75			
Total-----	5,291	1,872			

*This total represents only pests of known or potential plant quarantine importance or organisms of scientific interest. The total of all interceptions made during the year was 31,439.

NOTE.—Interceptions were also made from Anguilla, Ascension Island, Cayman Islands, Christmas Island, Clipperton Island, Guadeloupe, Johnston Island, Madeira Islands, Martinique, Midway Islands, Montserrat, New Caledonia, Rumania, St. Vincent, Saudi Arabia, Tanganyika, Tonga Islands, Tunisia, and Wales.

Pests Recorded From July 1, 1962, Through June 30, 1963

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Acanthoscelides armigera</i> (Pic) (Bruchidae): <i>Cajanus cajan</i> (pigeonpea)-----	Canal Zone, Panama, Trinidad, Peru-----	4	-----	1	Fla., N.Y.
<i>Phaseolus lunatus</i> (lima bean)-----	-----	-----	1	-----	La.
<i>Acanthoscelides bimaculatus</i> (Drapiez) (Bruchidae): <i>Bixa orellana</i> (anatto-tree) seed-----	Brazil-----	1	-----	-----	N.Y.
<i>Acanthoscelides spinipes</i> (Er.) (Bruchidae): <i>Acacia farnesiana</i> (sweet acacia) seed-----	Italy-----	-----	-----	1	N.Y.
<i>Acacia</i> sp. (seed)-----	Greece, Italy-----	-----	-----	4	N.Y.
<i>Aceria pluchea</i> (Cook) (Eriophyidae): <i>Pluchea odorata</i> (leaf)-----	Puerto Rico-----	1	-----	-----	P.R.
<i>Aceria rufa</i> (Can.) (Eriophyidae): <i>Betula</i> sp. (birch) leaf-----	Germany-----	1	-----	-----	N.Y.
<i>Aceria tulipae</i> (Keif.) (Eriophyidae): <i>Allium cepa</i> (onion) sets-----	Mexico-----	-----	-----	1	Calif.
<i>Achaea janata</i> (L.) (Noctuidae): Airplane-----	Fiji, unknown-----	2	-----	-----	Hawaii.
<i>Codiaeum variegatum</i> (variegated croton) leaf-----	Hawaii-----	2	-----	-----	Hawaii.
Leaf—unidentified-----	do-----	1	-----	-----	Hawaii.
<i>Achatina fulica</i> Bowdich (Achatinidae): Military cargo (packing crates)-----	Formosa-----	1	-----	-----	Hawaii.
<i>Acheta hispanicus</i> (Rambur) (Gryllidae): Airplane-----	Morocco-----	-----	2	-----	Fla.
<i>Acris sulphuripennis</i> (Gerst.) (Acrididae): Cargo (brought as food for shrews)-----	Kenya-----	1	-----	-----	N.Y.
<i>Acroleptis assectella</i> (Zell.) (Yponomeutidae): <i>Allium cepa</i> (onion)-----	France-----	1	-----	-----	N.Y.
<i>A. porrum</i> (leek)-----	France, Germany, Italy, Netherlands-----	1	16	-----	Calif., * Fla., N.Y., Ohio, Pa.
Stores (with cauliflower)-----	France-----	-----	2	-----	N.Y.
<i>Acrosternum heegeri</i> (Fieber) (Pentatomidae): <i>Hibiscus cannabinus</i> (kenaf hibiscus) seed-----	Ghana-----	-----	1	-----	D.C.
<i>Adoretus sinicus</i> Burm. (Scarabaeidae): Airplane-----	Hawaii-----	-----	1	-----	Hawaii.
Baggage-----	do-----	1	-----	-----	Hawaii.
Flowers-----	do-----	2	-----	-----	Hawaii.
Mail (in sack)-----	Guam-----	1	-----	-----	Hawaii.
Orchid (cut flower)-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Adorophyes reticulana</i> (Hbn.) (Tortricidae): <i>Syringa</i> sp. (lilac) cut flower-----	Belgium, Germany, Netherlands-----	8	-----	-----	N.Y.
<i>Aellopos tantalus</i> (L.) (Sphingidae): Automobile-----	Mexico-----	-----	1	-----	Tex.
<i>Aeneolamia reducta</i> (Lall.) (Cercopidae): Airplane-----	Panama(?) , West Indies (island(?))-----	-----	2	-----	Fla., P.R.
<i>Aethus indicus</i> (Westw.) (Cydnidae): Airplane-----	Unknown-----	-----	1	-----	Hawaii.
<i>Aganactesis indecora</i> Dyar (Galleriidae): <i>Cassia fistula</i> (golden shower) seed-----	Dominican Republic-----	-----	1	-----	Fla.
<i>Cassia</i> sp. (seed pod)-----	Brazil, Trinidad-----	-----	2	-----	Fla.
<i>Agriphila latistria</i> (Haw.) (Crambidae): Airplane-----	France(?)-----	-----	1	-----	Del.
<i>Aleurocanthus woglumi</i> Ashby (Aleyrodidae): <i>Citrus aurantifolia</i> (lime) leaf and stem-----	Costa Rica, Mexico-----	9	1	-----	Calif., * Tex.
<i>C. aurantium</i> (sour orange) leaf-----	Mexico-----	2	-----	-----	Calif.
<i>C. sinensis</i> (sweet orange) leaf-----	do-----	1	-----	-----	Tex.
<i>Citrus</i> sp. (leaf)-----	Ecuador, Jamaica, Mexico, Nicaragua-----	22	-----	-----	Ariz., Calif., Fla., Ill., La., Tex.
<i>Rosa</i> sp. (leaf)-----	Jamaica-----	1	-----	-----	Fla.
<i>Aleurocanthus woglumi</i> Ashby (?) (Aleyrodidae): <i>Citrus aurantifolia</i> (lime) leaf-----	Mexico-----	2	-----	-----	Tex.
<i>Citrus</i> sp. (leaf)-----	do-----	1	-----	-----	Tex.
<i>Coffea</i> sp. (leaf)-----	Jamaica-----	1	-----	-----	Fla.
<i>Aleurodicus tridescens</i> Ckll. (Aleyrodidae): <i>Echinodorus</i> sp. (burhead) leaf-----	Peru-----	-----	-----	2	Fla.
<i>Aleurodicus trinidadensis</i> (Kll.) (Aleyrodidae): <i>Dendrobium</i> sp. (orchid) leaf-----	Colombia-----	-----	-----	1	Fla.
<i>Aleurolobus olivinus</i> Silvestri (Aleyrodidae): <i>Olea</i> sp. (olive) leaf of cutting-----	Spain-----	1	-----	-----	N.Y.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Aleuroparadoxus gardeniae</i> Rsl. (Aleyrodidae):					
<i>Citrus</i> sp. (leaf)-----	Mexico-----	1	-----	-----	Tex.
<i>Gardenia</i> sp. (leaf)-----	do-----	1	-----	-----	Tex.
<i>Aleuroplatus variegatus</i> Q. & B. (Aleyrodidae):					
<i>Pilbergia</i> sp. (airbrom)-----	Honduras-----	-----	-----	1	Calif.*
<i>Chamaedorea elegans</i> (palm) frond-----	Mexico-----	5	-----	-----	Tex.
<i>Chamaedorea</i> sp. (frond)-----	do-----	2	-----	-----	Tex.
<i>Aleurotrachelus felinekai</i> (Frauen.) (Aleyrodidae):					
Leaf—unidentified-----	Italy-----	-----	1	-----	Mass.
<i>Aleurotuberculatus aucubae</i> (Kuw.) (Aleyro-didae):					
<i>Citrus</i> sp. (leaf)-----	Japan-----	-----	1	-----	Wash.
<i>Crataegus</i> sp. (hawthorn) leaf of plant-----	do-----	-----	1	-----	Hawaii.
<i>Pyracantha</i> sp. (thornleaf)-----	do-----	-----	2	-----	Wash.
<i>Aleurotuberculatus jasmini</i> Takah. (Aleyro-didae):					
<i>Jasminum</i> sp. (jasmine)-----	Philippines-----	-----	-----	1	D.C.
<i>Altocazus spinosus</i> Arnett (Oedemeridae):					
Airplane-----	Dominican Republic-----	-----	1	-----	Fla.
Baggage-----	Jamaica-----	1	-----	-----	Fla.
<i>Amatissa consorta</i> (Templ.) (Psychidae):					
<i>Camellia japonica</i> (common camellia)-----	Japan-----	-----	1	-----	Hawaii.
<i>Amblycerus reticulatus</i> Jekel (Bruchidae):					
<i>Colubrina rufa</i> (seed)-----	Brazil-----	-----	-----	1	D.C.
<i>Anastrepha fraterculus</i> (Wied.) (?) (Tephritidae):					
<i>Coffea</i> sp. (coffee) berry-----	do-----	-----	1	-----	Fla.
<i>Anastrepha ludens</i> (Loew) (Tephritidae):					
<i>Calocarpum sapota</i> (mamey sapote)-----	Mexico-----	1	3	-----	Ariz., N.Y.
<i>Citrus aurantiifolia</i> (sweet lime)-----	do-----	20	-----	-----	Ariz., Calif., Tex.
<i>C. paradisi</i> (grapefruit)-----	do-----	12	4	-----	Ill., N.Y., Tex.
<i>C. reticulata</i> (Mandarin orange)-----	do-----	-----	3	-----	Tex.
<i>C. sinensis</i> (sweet orange) fruit and seed-----	do-----	153	43	2	Ala., Ariz., Calif., Fla., Ill., Md., N.Y., Tex.
<i>Cydonia oblonga</i> (quince)-----	do-----	11	1	-----	Calif.,* Tex.
<i>Malus sylvestris</i> (apple)-----	do-----	2	-----	-----	Tex.
<i>Mammea americana</i> (mamey)-----	do-----	-----	1	-----	N.Y.
<i>Mangifera indica</i> (mango)-----	Mexico, Panama-----	130	4	-----	Ariz., Calif., Calif.,* Ill., N.Y., Tex.
<i>Prunus persica</i> (peach)-----	Mexico-----	3	-----	-----	Tex.
<i>Punica granatum</i> (pomegranate)-----	do-----	3	-----	-----	Tex.
<i>Pyrus communis</i> (pear)-----	do-----	6	-----	-----	Tex.
<i>Anastrepha ludens</i> (Loew) (?) (Tephritidae):					
<i>Calocarpum sapota</i> (sapote)-----	do-----	-----	1	-----	N.Y.
<i>Mangifera indica</i> (mango)-----	do-----	2	-----	-----	Tex.
<i>Anastrepha mombinpraepotans</i> Sein (Tephriti-dae):					
Airplane-----	Nicaragua-----	-----	1	-----	P.R.
Fruit—unidentified-----	Mexico, unknown-----	3	-----	-----	Calif.,* Tex.
<i>Mangifera indica</i> (mango)-----	Brazil, Costa Rica, Cuba, Dominica, Dominican Republic, Ecuador, El Salvador, Guatemala, Haiti, Jamaica, Mexico, Nicaragua, Panama, Puerto Rico, St. Kitts, St. Martin, unknown.	313	20	-----	Ala., Am. V.I., Ariz., Calif., Calif.,* Fla., La., N.Y., N.C., P.R., S.C., Tex.
<i>Psidium guajava</i> (guava)-----	El Salvador, Guatemala, Mexico, Tortola.	7	-----	-----	Am. V.I., Calif.,* La.
<i>Spondias mombin</i> (yellow mombin)-----	Costa Rica, El Salvador, Guatemala, Mexico, Nicaragua, Puerto Rico.	29	-----	-----	Calif.,* P.R., Tex.
<i>S. purpurea</i> (purple mombin)-----	Mexico-----	1	-----	-----	Tex.
<i>Terminalia catappa</i> (tropical almond)-----	Jamaica-----	1	-----	-----	N.Y.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Anastrepha ocresia</i> (Walk.) (Tephritidae): <i>Achras zapota</i> (sapodilla)	Dominican Republic	1	—	—	P.R.
<i>Anastrepha striata</i> (Schin.) (Tephritidae): <i>Psidium guajava</i> (guava)	El Salvador, Nicaragua.	2	—	—	Calif.*
<i>Anastrepha suspensa</i> (Loew) (Tephritidae): <i>Psidium guajava</i> (guava)	Dominican Republic, Puerto Rico.	3	—	—	N.Y., P.R.
<i>Ancyllostoma stercorea</i> (Zell.) (Phycitidae): <i>Cajanus cajan</i> (pigeonpea)	Bahamas, Barbados, Canal Zone, Dominic- ian Republic, Grenada, Haiti, Jamaica, Nevis, Panama, Puerto Rico, Trinidad, unknown, West Indies (island?).	96	3	—	Am. V.I., Bahamas, Calif.,* Fla., N.Y., N.C., P.R.
<i>Mail</i> (with <i>Citrus</i> sp. leaves)	Dominican Republic	1	—	—	Fla.
<i>Phaseolus lunatus</i> (lima bean)	Trinidad	1	—	—	N.Y.
<i>Pisum sativum</i> (pea)	Dominican Republic, Jamaica, Panama.	4	—	—	Fla., Mich., N.Y.
<i>Anechura varia</i> Scudd. (Forficulidae): Bromeliad	Mexico	—	—	1	Tex.
<i>Anthonomus albolineatus</i> Champ. (Curculionidae): Orchid	—do—	—	—	1	Tex.
<i>Anthonomus rectirostris</i> (L.) (Curculionidae): <i>Prunus serotina</i> (black cherry) seed	Belgium	—	—	1	N.J.
<i>Antliarhinus zamiae</i> (Thunb.) (Curculionidae): <i>Encephalartos longifolius</i> (longleaf kafirbread)	Republic of South Africa.	—	—	1	D.C.
<i>Anuraphis cardui</i> (L.) (Aphidae): <i>Cynara scolymus</i> (artichoke)	France, Italy	1	1	—	N.Y., Ohio.
<i>Rosa</i> sp. (rose) cut flower	Germany	1	—	—	N.Y.
<i>Aonidiella citrina</i> (Coq.) (Coccidae): <i>Citrus paradisi</i> (grapefruit)	Japan	—	1	—	Hawaii.
<i>C. sinensis</i> (sweet orange)	Australia	—	1	—	Hawaii.
<i>Aonidiella inornata</i> McKenzie (Coccidae): Palm (leaf)	Japan	—	1	—	Oreg.
<i>Apate monachus</i> F. (Bostrichidae): Wood (packing boards)	Republic of the Congo	1	—	—	Md.*
<i>Aphidura pujoli</i> (Gomez-Menor) (Aphidae): <i>Dianthus caryophyllus</i> (carnation) leaf	Portugal	—	—	1	Mass.
<i>Aplopleura lentisci</i> Pass. (Aphidae): <i>Ornithogalum</i> sp. (cut flower)	Israel	1	—	—	N.Y.
<i>Araecerus cumingi</i> Jekel (Anthribidae): <i>Entada phaseoloides</i> (climbing entada) seed	Guam	1	—	—	Hawaii.
<i>Araecerus levipennis</i> Jord. (Anthribidae): <i>Acacia koa</i> (koa) seed pod	Hawaii	5	—	—	Hawaii.
Airplane	—do—	—	4	—	Hawaii.
<i>Ananas comosus</i> (pineapple)	—do—	—	1	—	Hawaii.
<i>Leucaena leucocephala</i> (white popinac leadtree) seed pod	—do—	—	41	—	Hawaii.
Seed—unidentified	—do—	—	1	—	Hawaii.
<i>Vanda</i> 'Miss Joachim' (orchid) flower	—do—	—	2	—	Hawaii.
<i>Ardis sulcata</i> (Cam.) (Tenthredinidae): <i>Rosa</i> sp. (rose) stem	Austria, Finland, Germany, Hungary, Netherlands	4	1	—	N.Y., Ohio.
<i>Arge ochropus</i> (Gmel.) (Argidae): <i>Rosa</i> sp. (rose) cut flower	Germany, unknown	1	1	—	Ill., N.Y.
<i>Argyrotopte lacunana</i> (D. & S.) (Olethreutidae): <i>Betula</i> sp. (birch) plant	Norway	—	—	1	Wash.
<i>Arianta arbustorum</i> (L.) (Helicidae): Baggage	Germany	1	—	—	Va.
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)	Netherlands	—	1	—	Va.
<i>Lactuca sativa</i> (lettuce)	—do—	—	1	—	Va.
<i>Viola</i> sp. (violet) plant	Germany	—	—	1	Ill.
<i>Arphnus melanotylus</i> Ashlock (Lygaeidae): <i>Ananas comosus</i> (pineapple)	Mexico	1	—	—	Tex.
Bromeliad	—do—	—	—	1	Tex.
Orchid	—do—	—	—	1	Tex.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump- tion	Nonmen- tary	Propaga- tion	
<i>Aspidiotus capensis</i> Newst. (Coccidae) (tentative):					
<i>Euphorbia</i> sp. (leaf) -----	Republic of South Africa.			1	N.J.
<i>Aspidiotus destructor</i> Sign. (Coccidae):					
<i>Cocos nucifera</i> (coconut) cap and stem -----	Costa Rica, Mexico, Panama, Philippines	5	2	-----	Calif.*
Leaf—unidentified -----	Ecuador	1	1	-----	Hawaii, Calif.*
<i>Musa X paradisiaca</i> (banana) -----					
<i>Aspidiotus distortus</i> (Newst.) (Coccidae):					
<i>Citrus reticulata</i> (Mandarin orange) -----	Japan		1	-----	Calif.*
<i>Persea</i> spp. (budwood) -----	Mexico		1	1	Calif.*
<i>Aspidiotus excisus</i> Green (Coccidae):					
<i>Citrus sinensis</i> (sweet orange) -----	Trinidad		1	-----	Calif.*
<i>Cocos nucifera</i> (coconut) cap -----	Mexico	1	-----	-----	Calif.*
<i>Aspidiotus herculeanus</i> Ckll. & Hadden (Coccidae):					
<i>Plumeria</i> sp. (frangipani) -----	Hawaii			2	Calif.*
<i>Aspidiotus palmae</i> Ckll. (Coccidae):					
<i>Areca catechu</i> (betel palm) calyx of fruit -----	Guam	1	-----	-----	Wash.
<i>Neoregelia</i> sp. (bromeliad) leaf -----	Netherlands		1	-----	Fla.
Orchid (leaf) -----	New Guinea		1	-----	Calif.*
Palm (leaf) -----	Federation of Malaysia		1	-----	Calif.*
<i>Aspidotus putearis</i> Green (Coccidae):					
<i>Citrus limon</i> (lemon) -----	Italy		1	-----	Calif.*
<i>Asterolebemisia carpini</i> (Koch) (Aleyrodidae):					
Leaf—unidentified -----	France		1	-----	Calif.*
<i>Ribes</i> sp. (leaf) -----	France, unknown		3	-----	N.Y.
<i>Asterolecanium bambusae</i> (Bdv.) (Coccidae):					
Bamboo -----	Hawaii, Mexico	1	-----	1	Calif.* Tex.
<i>Bambusa</i> sp. -----	Mexico, Panama			2	Calif.*
<i>Asterolecanium epidendri</i> (Bouche) (Coccidae):					
<i>Chamaedorea elegans</i> (palm) leaf -----	Mexico	1	-----	-----	Tex.
<i>Maxillaria</i> sp. (orchid) -----	Venezuela			1	Fla.
<i>Aulacaspis tuberculatus</i> Newst. (Coccidae):					
<i>Mangifera indica</i> (mango) -----	El Salvador, Guatemala, Nicaragua, Philippines	7	-----	-----	Calif.,* Wash.
<i>Austrotortrix postvittana</i> (Wlk.) (?) (Tortricidae):					
<i>Malus sylvestris</i> (apple) -----	New Zealand	3	-----	-----	Hawaii.
<i>Prunus domestica</i> (plum) -----	do	1	-----	-----	Hawaii.
<i>Batrachedralinaria</i> Clarke (Cosmoptergidae):					
<i>Agave shawii</i> -----	Mexico			5	Calif.
<i>Bephratelloidescandidus</i> Cam. (Eurytomidae):					
<i>Annona</i> sp. -----	Costa Rica		1	-----	Tex.
<i>Betulaphis quadridiutuberculatus</i> (Kltb.) (Aphidae):					
Airplane -----	Australia		1	-----	Hawaii.
<i>Bibio hortulanus</i> (L.) (Bibionidae):					
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower) -----	France		1	-----	N.Y.
<i>Blastodacna atra</i> (Haw.) (Cosmopterigidae):					
<i>Malus sylvestris</i> (apple) -----	Germany, Poland	2	-----	-----	N.Y.
<i>Blennocampa pusilla</i> (Klug) (Tenthredinidae):					
<i>Rosa</i> sp. (rose) cut flower -----	England	1	-----	-----	N.Y.
<i>Brachycerus albidentatus</i> Gyll. (Curculionidae):					
<i>Allium sativum</i> (garlic) -----	Italy	6	-----	-----	N.Y.
<i>Brachycerus algirus</i> (F.) (Curculionidae):					
<i>Allium sativum</i> (garlic) -----	Italy, Spain	9	1	-----	N.Y., P.R.
<i>Bradybaena similaris</i> (Fer.) (Bradybaenidae):					
<i>Anthurium</i> sp. (cut flower) -----	Hawaii	2	-----	-----	Hawaii.
<i>Colocasia esculenta</i> (dasheen) plant -----	do			1	Hawaii.
<i>Cordyline terminalis</i> (ti) -----	do		1	-----	Hawaii.
Flowers -----	do		1	-----	Hawaii.
Military cargo -----	Bermuda	1	-----	-----	N.Y.
Orechid (cut flower) -----	Hawaii	1	-----	-----	Hawaii.
<i>Phaius wallichii</i> (orchid) cut flower -----	do	1	-----	-----	Hawaii.
<i>Vanda</i> 'Miss Joachim' (orchid) cut flower -----	do	2	-----	-----	Hawaii.
<i>Brevipalpus chilensis</i> Baker (Tenuipalpidae):					
<i>Citrus limon</i> (lemon) -----	Unknown		1	-----	Fla.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump- tion	Nonentry	Propaga- tion	
<i>Brevipalpus obovatus</i> Donn. (Tenuipalpidae):					
<i>Chamaecyparis pisifera</i> (Sawara falsecypress)	Japan	1			Hawaii.
<i>Citrus aurantifolia</i> (sour lime)	Brazil		1		Fla.
<i>Diospyros kaki</i> (kaki persimmon)	Japan	1			Hawaii.
<i>Spathoglottis</i> sp. (orchid) plant	Formosa			1	Hawaii.
<i>Bruchidius caeruleus</i> (Champ.) (Bruchidae):					
<i>Desmodium</i> sp. (tick clover)	Burma			1	D.C.
<i>Bruchidius debilis</i> (Gyll.) (Bruchidae):					
<i>Laburnum anagyroides</i> (goldenchain laburnum)	Italy			2	N.J.
<i>Bruchidius gilvus</i> (Gyll.) (Bruchidae):					
<i>Castanea</i> sp. (chestnut)	do	1			N.Y.
<i>Hedysarum coronarium</i> (sulla sweet-vetch)	do			1	N.Y.
<i>Triticum aestivum</i> (wheat)	do	1			N.Y.
<i>Bruchidius incarnatus</i> (Boh.) (Bruchidae):					
<i>Lens culinaris</i> (lentil)	do		1		N.C.
<i>Bruchidius marginalis</i> (F.) (Bruchidae):					
<i>Astragalus cicer</i> (seed)	Yugoslavia			1	D.C.
<i>Bruchidius meleagrinus</i> (Géné) (Bruchidae):					
<i>Lens culinaris</i> (lentil)	Italy	1			N.Y.
<i>Bruchidius unicolor</i> (Ol.) (Bruchidae):					
<i>Spartium junceum</i> (weavers-broom) seed	do			1	N.J.
<i>Bruchidius unicolor</i> (Ol.) (?) (Bruchidae):					
<i>Pisum sativum</i> (pea) seed	Republic of the Congo			1	D.C.
<i>Bruchidius villosus</i> (F.) (Bruchidae):					
<i>Cytisus scoparius</i> (Scotch-broom)	Belgium, England, Italy			4	N.J., Pa.
<i>Laburnum anagyroides</i> (goldenchain laburnum) seed	Austria, Germany			2	N.J.
<i>Bruchus azoricus</i> Crotch (Bruchidae):					
<i>Vicia sativa</i> (vetch) seed	Portugal			2	N.Y.
<i>Bruchus dentipes</i> (Baudi) (Bruchidae):					
<i>Vicia faba</i> (broadbean)	Greece, Iran, Italy	5			Ill., Md., Mass., N.Y.
<i>Bruchus emarginatus</i> Allard (Bruchidae):					
<i>Lathyrus</i> sp. (peavine) seed	Portugal			1	N.Y.
<i>Bruchus ervi</i> Froel. (Bruchidae):					
Baggage (with <i>Rosa</i> sp.)	France	1			N.Y.
<i>Lens culinaris</i> (lentil)	France, Germany, Greece, Italy, Lebanon, Mexico, Turkey, unknown	21	3	1	D.C., Ill., La., Md., Mass., N.Y.
<i>Bruchus lents</i> Froel. (Bruchidae):					
<i>Lens culinaris</i> (lentil)	Cyprus, France, Germany, Greece, Italy, Morocco, Netherlands, Spain, Turkey, United Arab Republic, unknown	22	11		Fla., Ill., La., Mass., Mich., N.J., N.Y., N.C., Pa., S.C., Tex.
<i>Vicia faba</i> var. <i>equina</i> (horsebean)	Spain			1	Pa.
<i>V. sativa</i> (vetch) seed	Lebanon	1			N.Y.
<i>Vicia</i> sp. (seed)	Portugal			1	N.Y.
<i>Bruchus rufipes</i> Hbst. (Bruchidae):					
Baggage	Italy	1			N.Y.
Legume (seed)	Spain			1	N.Y.
<i>Pisum sativum</i> (pea)	Italy	1			N.Y.
Stores (with <i>Brassica oleracea</i> var. <i>capitata</i> (cabbage))	Germany		1		N.Y.
<i>Vicia faba</i> (broadbean)	England, Italy	1		1	N.Y., Wash.
<i>V. sativa</i> (vetch) seed	Azores, France, Italy	6			Md., Mass., N.Y.
<i>V. tenuifolia</i> (bramble vetch) seed	Czechoslovakia			1	D.C.
<i>Vicia</i> sp. (seed)	Azores, France, Yugoslavia	1		3	D.C., Mass., N.J.
<i>Bruchus rufipes luteicornis</i> Ill. (Bruchidae):					
<i>Vicia sativa</i> (vetch) seed	Italy, Portugal	3			N.J., N.Y.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonen-tity	Propaga-tion	
<i>Bruchus signaticornis</i> Gyll. (Bruchidae):					
<i>Lathyrus sativus</i> (grass pea vine) seed	Italy	1			N.Y.
<i>Lens culinaris</i> (lentil) seed	Greece, Italy, Spain	11	2		Md., N.Y., Ohio, Tex.
<i>Vicia faba</i> (broadbean) seed	Italy	2			N.Y.
<i>Bruchus tristiculus</i> Fahr. (Bruchidae):					
<i>Lathyrus odoratus</i> (sweetpea) seed	Greece			1	S.C.
<i>L. sativus</i> (grass pea vine) seed	Azores, Italy	2			Mass., N.Y.
<i>Lathyrus</i> sp. (pea vine) seed	France, Italy, Portu-gal	3		3	Mass., N.J., N.Y.
Legume (seed)	Azores			1	Mass.
<i>Pisum sativum</i> (pea) seed	Israel, Italy	2		1	N.Y.
<i>Vicia faba</i> (broadbean) seed	Italy	2			N.J., N.Y.
<i>Bruchus tristis</i> Boh. (Bruchidae):					
<i>Cicer arietinum</i> (chickpea)	do	1			N.Y.
<i>Lathyrus sativus</i> (grass pea vine) seed	do	5		4	N.Y.
<i>Lathyrus</i> sp. (seed)	do	10		1	Mass., N.Y.
<i>Pisum sativum</i> (pea)	Greece, Italy	1	1		N.Y.
<i>Vicia faba</i> (broadbean)	Italy, Yugoslavia	1		1	N.Y., Wash.
<i>Bruchus ulicis</i> Muls. (Bruchidae):					
<i>Lens culinaris</i> (lentil)	Greece	1			N.Y.
<i>Bruchus viciae</i> Ol. (Bruchidae):					
<i>Lathyrus latifolius</i> (perennial pea) seed	France, Netherlands			3	N.J., N.Y.
<i>Bryobia eharai</i> Pritchard & Keifer (Tetranychidae):					
<i>Chrysanthemum morifolium</i>	Japan	2			Hawaii.
<i>Cacoecimorpha pronubana</i> (Hbn.) (Tortricidae):					
<i>Dianthus caryophyllus</i> (carnation)	Spain	1			N.Y.
<i>Rosa</i> sp. (plant)	Italy			1	N.Y.
<i>Callidium rufipenne</i> Motsch. (Cerambycidae):					
Dunnage	Japan		1		Fla.
Wood (crate)	do	2			Tex.
<i>Callosobruchus analis</i> (F.) (Bruchidae):					
<i>Pisum sativum</i> (pea)	Federation of Malaysia		1		Wash.
<i>Calyptocephala gerstaeckeri</i> Boh. (Chrysomelidae):					
<i>Chamaedorea</i> sp. (palm) leaf	Mexico	3			Tex.
<i>Carposina nipponensis</i> Wlsm. (Carposinidae):					
<i>Malus sylvestris</i> (apple)	Japan		10		Hawaii., La., N.C., Pa., Wash.
<i>Caryedon gonagra</i> (F.) Bruchidae:					
<i>Adenanthera pavonina</i> (sandal bead tree) seed	Hawaii	1			Hawaii.
<i>Arachis hypogaea</i> (peanut)	Senegal, West Africa	1	1		N.Y., Ohio.
Baggage	Hawaii	1			Hawaii.
Ballast	Unknown		1		Mich.
<i>Cajanus cajan</i> (pigeonpea)	India		1		La.
<i>Cassia javanica</i> (appleblossom senna) pod	Hawaii	1			Hawaii.
<i>Cassia</i> sp. (pod)	do	4			Hawaii.
<i>Phaseolus vulgaris</i> (bean)	India		1		Tex.
Stores	Guam	1			Hawaii.
<i>Tamarindus indica</i> (tamarind) pod	India, unknown		2		Ill., La.
	British Guiana, Curacao, India, Mexico, Philip-pines, Thailand	14	4		D.C., Hawaii, Ill., Mich., N.J., N.Y., Tex., Wash.
<i>Carystoides basochesii replana</i> (Plotz) (Hesperiidae):					
<i>Chamaedorea oblongata</i> (palm) leaf	Mexico	1			Tex.
<i>Carystoides lebbaeus</i> (Hew) (Hesperiidae):					
<i>Chamaedorea elegans</i> (palm) leaf	do	1			Tex.
<i>Chamaedorea</i> sp. (leaf)	do	2			Tex.
<i>Ceciliooides acicula</i> (Müller) (Achatinidae):					
<i>Daucus carota</i> var. <i>sativus</i> (carrot)	Netherlands		1		Fla.
Soil	Israel	1			Mass.
<i>Cenopalpus pulcher</i> (C. & F.) (Tenuipalpidae):					
Cutting—unidentified	Italy			1	N.Y.
<i>Malus sylvestris</i> (apple)	Spain		1		Tex.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Ceratitis capitata</i> (Wied.) (Tephritidae): Baggage (with sphagnum moss packing)-----	Hawaii-----	1	-----	-----	Hawaii.
Cactus (fruit)-----	Italy-----	3	-----	-----	N.Y.
<i>Calophyllum inophyllum</i> (Indiapoön beauty-leaf) fruit.	Hawaii-----	2	-----	-----	Hawaii.
<i>Capsicum annuum</i> (pepper)-----	Federation of Rhodesia and Nyasaland, Greece, Liberia, Italy, Senegal-----	7	-----	-----	N.Y.
<i>C. annuum</i> var. <i>grossum</i> (bell pepper)-----	Italy, Senegal-----	2	-----	-----	Ala., Pa.
<i>Carica papaya</i> (papaya)-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Citrus mitis</i> (calamondin orange)-----	do-----	1	-----	-----	Hawaii.
<i>C. paradisi</i> (grapefruit)-----	Argentina, Italy, Morocco, Spain, unknown.	1	5	-----	Fla., Mass., N.Y.
<i>C. reticulata</i> (Mandarin orange)-----	Africa (country(?)), Hawaii, Italy, Portugal, United Arab Republic, unknown.	10	4	-----	Hawaii., N.Y., P.R., S.C., Tex.
<i>C. sinensis</i> (sweet orange)-----	Argentina, Azores, Brazil, Cyprus, Europe (country (?)), Greece, Israel, Italy, Jordan, Morocco, Portugal, Republic of South Africa, Spain, United Arab Republic, unknown.	22	25	-----	Ala., Fla., Md., Mass., Minn., N.Y., Pa., P.R., Tex.
<i>C. sinensis</i> var. <i>shamutii</i> -----	Israel-----	2	-----	-----	N.Y.
<i>Coffea arabica</i> (Arabian coffee) berry-----	Brazil, Costa Rica, Hawaii, unknown.	63	-----	-----	Fla., Hawaii, N.Y., Tex.
<i>Cydonia oblonga</i> (quince)-----	France, Greece, Italy-----	11	-----	-----	N.Y.
<i>Diospyros kaki</i> (kaki persimmon)-----	Italy-----	1	-----	-----	N.Y.
<i>Diospyros</i> sp.-----	do-----	3	-----	-----	N.Y.
<i>Eugenia malaccensis</i> (Malay-apple)-----	Hawaii-----	1	-----	-----	Hawaii.
<i>Eugenia</i> sp. (fruit)-----	do-----	2	-----	-----	Hawaii.
<i>Ficus carica</i> (fig)-----	Argentina, Brazil, Greece, Italy, Lebanon, Portugal, unknown, Uruguay.	30	2	-----	Mass., N.Y., Ohio, P.R.
Fruit—unidentified-----	Italy-----	1	-----	-----	N.Y.
<i>Malus sylvestris</i> (apple)-----	Azores, Italy, Malta, Portugal, Spain.	6	3	-----	Calif.,* Fla., N.Y., P.R., Va.
<i>Mangifera indica</i> (mango)-----	Hawaii, United Arab Republic.	3	-----	-----	Hawaii, N.Y.
<i>Opuntia humifusa</i> (pricklypear)-----	Italy-----	13	-----	-----	N.Y.
<i>Phoenix dactylifera</i> (date)-----	Lebanon-----	1	-----	-----	Ohio.
<i>Pistacia vera</i> (common pistache) pulpcovering nut-----	do-----	1	-----	-----	Ohio.
<i>Prunus armeniaca</i> (apricot)-----	France, Italy, Spain, unknown.	-----	4	-----	N.Y.
<i>P. domestica</i> (plum)-----	Azores, Italy, Portugal.	3	-----	-----	Mass., N.Y.
<i>P. persica</i> (peach)-----	Argentina, France, Greece, Israel, Italy, Peru, Portugal, Spain, unknown.	20	9	-----	Calif.,* Fla., Ill., Mass., N.J., N.Y., P.R., Va.
<i>P. persica</i> var. <i>nectarina</i> (nectarine)-----	Azores, Italy-----	2	-----	-----	Mass., N.Y.
<i>Psidium guajava</i> (guava)-----	Azores, Hawaii-----	4	-----	-----	Hawaii, Mass.
<i>Punica granatum</i> (pomegranate)-----	Argentina, Hawaii, Italy-----	8	-----	-----	Fla., Hawaii, N.Y.
<i>Pyrus communis</i> (pear)-----	Azores, France, Israel, Italy, Malta, Portugal.	12	-----	-----	Calif.,* Ill., Mass., Mich., N.Y.
<i>Terminalia catappa</i> (tropical almond)-----	Hawaii-----	3	-----	-----	Hawaii.
<i>Zizyphus</i> sp. (jujube) dried-----	Italy-----	1	-----	-----	N.Y.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Ceratitis capitata</i> (Wied.) (?) (Tephritidae):					
<i>Capsicum annuum</i> (pepper)	Argentina, Liberia	1	1		N.Y.
<i>Citrus sinensis</i> (sweet orange)	Argentina, Bermuda, Italy	1	2		Mass., N.Y., S.C.
<i>Coffea arabica</i> (Arabian coffee)	Brazil, Costa Rica, Hawaii	4			Hawaii, N.Y., Tex.
<i>Juglans regia</i> (English walnut)	Greece	1			N.Y.
<i>Lycopersicon esculentum</i> (tomato)	Australia(?)		1		Hawaii.
<i>Mangifera indica</i> (mango)	United Arab Republic	1	1		N.Y., Pa.
<i>Prunus armeniaca</i> (apricot)	Canary Islands		1		Tex.
<i>P. persica</i> (peach)	Israel	1			N.Y.
<i>Ceratitis colae</i> Silv. (?) (Tephritidae):					
<i>Cole acuminata</i> (Sudan colanut) nut	Nigeria	1			N.Y.
<i>Ceratitis rubivora</i> Coq. (Tephritidae):					
<i>Rubus</i> sp. (seed)	Ethiopia			1	D.C.
<i>Cerconota anonella</i> (Sepp) (Stenomidae):					
<i>Annona muricata</i> (soursop)	Panama	1			Ala.
<i>A. reticulata</i> (custard-apple)	Honduras	1			Fla.
<i>Cerodontha denticornis</i> (Panzer) (Agromyzidae):					
<i>Crassula perforata</i> (thorowort crassula)	Azores			1	Del.
<i>Ceroplastes ceriferus</i> (And.) (Coccidae):					
<i>Cycas revoluta</i> (Sago palm)	Japan			1	Hawaii.
<i>Ceroplastes rubens</i> Mask. (Coccidae):					
<i>Anthurium</i> sp. (leaf)	Hawaii	1			Hawaii.
<i>Hedera helix</i> (English ivy) leaf	Unknown		1		Hawaii.
<i>Metrosideros</i> sp. (iron-tree) leaf	Hawaii	1			Hawaii.
Plant—unidentified (leaf)	Australia			1	Hawaii.
<i>Ceutorhynchus erysimi</i> (F.) (Curculionidae):					
Nursery stock	Netherlands			1	N.J.
<i>Chaetanaphothrips orchidii</i> (Moulton) (Thripidae):					
<i>Izora</i> sp. (lei)	American Samoa	1			Hawaii.
Orehid (plant)	Mexico			1	Tex.
<i>Chalciopae hypopasias</i> (Cram.) (Noctuidae):					
Airplane	China, unknown		2		Hawaii.
<i>Chilo loftini</i> Dyar (Crambidae):					
<i>Saccharum officinarum</i> (sugarcane)	Mexico	60			Ariz., Calif., Tex.
<i>Chilo suppressalis</i> (Wlk.) (Crambidae):					
<i>Oryza sativa</i> (rice) husk, straw, and straw jacket	Japan, Philippines, Spain	10	1		Calif.,* Hawaii, N.Y., Tex.
<i>Chionaspis salicis</i> (L.) (Coccidae):					
<i>Tilia cordata</i> (littleleaf linden) stem	Germany			1	D.C.
<i>Chlorophorus annularis</i> (F.) (Cerambycidae):					
Bamboo (poles at center of rolled rugs)	Japan	1			N.C.
<i>Choranthus vitellinus</i> (F.) (Hesperiidae):					
Airplane	British Virgin Islands, St. Kitts		2		Am. V.I.
<i>Chrysomphalus albopictus</i> (Ckll.) (Coccidae):					
<i>Citrus aurantiifolia</i> (sour lime)	Mexico		1		Calif.*
<i>Cocos nucifera</i> (coconut) cap	Costa Rica, Mexico	2			Calif.*
Orchid (leaf)	Canal Zone, Guatema-la		2		Calif.*
<i>Persea</i> sp. (budwood)	Mexico			1	Calif.*
<i>Chrysomphalus calurus</i> (Ckll.) (Coccidae):					
<i>Spondias mombin</i> (yellow mombin)	Nicaragua	1			Calif.*
<i>Chrysomphalus odontoglossus</i> (Ckll.) (Coccidae):					
Orchid (pseudobulb)	Jamaica			1	Fla.
Palm (leaf)	Mexico	1			Tex.
<i>Chrysomphalus personatus</i> (Comst.) (Coccidae):					
Bromeliad (leaf)	Netherlands			1	Fla.
<i>Citrus aurantiifolia</i> (sour lime)	Brazil		2		Calif.*
<i>C. sinensis</i> (sweet orange)	Brazil, unknown	1	5		Calif.,* N.Y.
<i>Cocos nucifera</i> (coconut) cap	Mexico	1			Calif.*
<i>Chrysomphalus tingi</i> (McKenzie) (Coccidae):					
<i>Phalaenopsis lueddemanniana</i> (orchid)	Philippines			1	Hawaii.
<i>Chrysomphalus umboniferus</i> (Newst.) (Coccidae):					
<i>Philedendron</i> sp. (leaf)	Brazil			1	Calif.*
<i>Cladus isomerus</i> Nort. (Tenthredinidae):					
<i>Rosa</i> sp. (leaf)	Mexico	1			Tex.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump- tion	Noentry	Propaga- tion	
<i>Cladius pectinicornis</i> (Fouc.) (Tenthredinidae): <i>Rosa</i> sp.—	Denmark, England, Germany, Israel, Scotland, Switzerland.	8	1	1	Mass., N.Y.
<i>Clytiana ambiguella</i> (Hbn.) (Phaloniidae): <i>Vitis</i> sp. (grape)—	Hungary, unknown	1	1	—	N.Y.
<i>Coccus viridis</i> (Green) (Coccidae): <i>Coffea</i> sp. (coffee)—	Hawaii	1	—	—	Hawaii.
<i>Gardenia jasminoides</i> (cut flower)—	do	19	—	—	Hawaii.
<i>Gymnostachyum leptostachyum</i>	Indonesia	—	—	1	Hawaii.
<i>Orchid</i>	Ecuador	—	—	1	Calif.*
<i>Cochlicella barbara</i> (L.) (Helicellidae): <i>Allium sativum</i> (garlic)—	Morocco	—	1	—	N.Y.
<i>Automobile</i>	Libya, Morocco	2	—	—	N.Y., S.C.
<i>Military cargo</i>	Crete, France, Greece, Morocco, Spain	27	—	—	Del., La., Mass., N.Y., S.C., Va.
<i>Mirabilis jalapa</i> (common four-o'clock) seed—	France	—	—	1	Pa.
<i>Cochlicella ventrosa</i> (Fer.) (Helicellidae): <i>Allium porrum</i> (leek)—	Portugal	—	2	—	N.Y.
<i>Automobile</i>	Libya	1	—	—	S.C.
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)—	Portugal	—	1	—	N.Y.
<i>Lactuca sativa</i> (lettuce)—	Italy	—	1	—	N.Y.
<i>Military cargo</i>	Azores, Morocco, Spain, unknown	13	—	—	La., Mass., N.C., S.C., Va.
<i>Coelonertus nigrirostris</i> Solari (Curculionidae): <i>Chamaedorea elegans</i> (palm) stem—	Mexico	—	5	—	Tex.
<i>Conoderus exsul</i> (Sharp) (Elateridae): <i>Vanda</i> hybrid (orchid) flower—	Hawaii	—	1	—	Hawaii.
<i>Conotelus mexicanus</i> Murr. (Nitidulidae): <i>Bromellia</i> —	Mexico	—	—	1	Tex.
<i>Chrysanthemum</i> sp. (cut flower)—	do	—	1	—	Tex.
<i>Delphinium</i> sp. (cut flower)—	do	—	1	—	Ariz.
<i>Gladiolus</i> sp. (cut flower)—	do	—	1	—	Ariz.
<i>Medicago sativa</i> (alfalfa)—	do	—	1	—	Tex.
<i>Vanda</i> 'Miss Joachim' (orchid)—	Hawaii	—	14	—	Hawaii.
<i>Vegetables</i>	Mexico	—	1	—	Tex.
<i>Conotrachelus aguacatiae</i> Barber (Curculionidae): <i>Persea americana</i> (avocado) fruit and seed—	—	—	1	—	Tex.
<i>P. americana</i> var. <i>drysifolia</i> (Mexican avocado)	do	—	1	—	Calif.
<i>Conotrachelus perseae</i> Barber (Curculionidae): <i>Persea americana</i> (avocado) seed—	Costa Rica	—	—	1	Tex.
<i>Coptotermes formosanus</i> Shiraki (Rhinotermitidae): Mail package—	Hawaii	—	1	—	Hawaii.
<i>Cordylomera spinicornis</i> (F.) (?) (Cerambycidae): <i>Khaya</i> sp. (mahogany) log—	West Africa	—	1	—	Va.
<i>Cosmopolites sordidus</i> (Germ.) (Curculionidae): <i>Musa X paradisiaca</i> (banana)—	Panama	—	1	—	S.C.
<i>Musa</i> sp. (plant)—	Canal Zone	—	—	1	Fla.
<i>Crenidorsum stigmaphylli</i> Rsl. (Aleyrodidae): Leaf—unidentified	Dominican Republic	—	—	1	Fla.
<i>Cryphula apicata</i> (Dist.) (Lygaeidae): <i>Cactus</i> (plant)—	Mexico	—	—	1	Tex.
<i>Cryptoblabes gnidiell a</i> (Mill.) (Phycitidae): <i>Citrus sinensis</i> (sweet orange)—	Greece, Italy, Spain, unknown	—	9	—	Del., N.Y., N.C., Pa.
<i>Cydonia oblonga</i> (quince)—	Italy	—	1	—	N.Y.
<i>Mangifera indica</i> (mango)—	Cape Verde Islands	—	1	—	N.Y.
<i>Punica granatum</i> (pomegranate)—	Greece, Italy, Portugal, Venezuela, Yugoslavia	—	14	—	N.Y.
<i>Cryptophlebia illepida</i> (Btlr.) (Olethreutidae): <i>Canavalia microcarpa</i> (mauna loa) seed—	Hawaii	—	—	1	Hawaii.
<i>Macadamia ternifolia</i> (Queenslandnut macadamia).	do	—	2	—	Hawaii.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump- tion	Noncon- sumption	Propaga- tion	
<i>Cryptophlebia ombrodelta</i> (Lower) (Olethreutidae):					
<i>Euphorbia longan</i>	Hawaii.....	1	—	—	Hawaii.
<i>Litchi chinensis</i> (lychee) nut.....	Hawaii, Vietnam.....	2	—	—	Hawaii, Va.
<i>Macadamia ternifolia</i> (Queenslandnut macadamia).	Hawaii.....	1	—	—	Hawaii.
<i>Phaseolus lunatus</i> (lima bean).....	do.....	1	—	—	Hawaii.
<i>P. vulgaris</i> (bean) pod.....	do.....	1	—	—	Hawaii.
<i>Poinciana pulcherrima</i> (flowerfence poinciana) pod.	do.....	1	—	—	Hawaii.
<i>Cryptotermes brevis</i> (Wlk.) (Kalotermitidae):					
Paper (sack and wrapping).....	China, Hawaii.....	2	—	—	Fla., Hawaii.
Wood (barrel and tree limb).....	Haiti, Hawaii.....	2	—	—	Calif.,* Fla.
<i>Curculio elephas</i> (Gyll.) (Curculionidae):					
<i>Castanea sativa</i> (European chestnut).....	Italy, Portugal.....	23	—	—	Ill., N.Y., P.R.
<i>Castanea</i> sp. (chestnut).....	France, Greece, Italy, Portugal, Spain, Switzerland, Yugoslavia.....	83	3	—	Ill., Mass., N.Y.
<i>Curculio nucum</i> (L.) (Curculionidae):					
<i>Corylus avellana</i> (European filbert).....	Italy, Switzerland.....	1	1	—	N.Y.
<i>Corylus</i> sp. (hazelnut).....	do.....	2	—	—	N.Y.
<i>Cyane terpischorella</i> Busek (Tineidae):					
Baggage (with banana).....	Hawaii.....	1	—	—	Hawaii.
<i>Cyclocephala discicollis</i> Arrow (Scarabaeidae):					
Airplane.....	Panama.....	—	1	—	Fla.
<i>Cylas formicarius</i> (F.) (Curculionidae):					
Airplane.....	Australia.....	—	1	—	Hawaii.
<i>Cylas formicarius</i> (F.) var. (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Hong Kong.....	—	1	—	Calif.*
<i>Cylas formicarius elegantulus</i> (Summers) (Curculionidae):					
Bagging (empty burlap bag).....	Cuba.....	—	1	—	Fla.
Cargo (with banana).....	Haiti.....	—	1	—	Fla.
<i>Ipomoea batatas</i> (sweetpotato).....	Antigua, Cuba, Dominican Republic, Mexico, Puerto Rico, Trinidad, Mexico.....	8	5	—	Am. V.I., Fla., Pa., P.R., Tex.
Quarters (on sack of mangoes).....	—	—	1	—	Tex.
<i>Cylas formicarius formicarius</i> (F.) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Hong Kong, Japan, Philippines.....	1	2	1	Calif.,* Fla., Hawaii, Md.
<i>Cylas puncticollis</i> Boh. (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato).....	Kenya, Liberia, Nigeria, Sierra Leone.....	5	6	—	Md., Mass., N.Y., Pa., Va.
<i>Cylindrocopturus tetralobus</i> Champ. (?) (Curculionidae):					
Bromeliad.....	Mexico.....	—	—	1	Tex.
<i>Dactynotus sonchi</i> (L.) (Aphididae):					
<i>Lactuca sativa</i> (lettuce).....	Netherlands.....	—	1	—	Pa.
<i>Dacus cucurbitae</i> (Coq.) (Tephritidae):					
<i>Capsicum annuum</i> var. <i>grossum</i> (bell pepper).....	Hawaii.....	—	1	—	Calif.*
<i>C. annuum</i> var. <i>longum</i> (chili pepper).....	Thailand.....	—	1	—	Hawaii.
<i>Cucumis sativus</i> (cucumber).....	Hawaii, Ivory Coast.....	—	2	—	Calif.,* Mass.
<i>Momordica charantia</i> (balsam-pear).....	Philippines.....	—	1	—	Hawaii.
<i>Dacus cucurbitae</i> (Coq.) (?) (Tephritidae):					
<i>Cucumis sativus</i> (cucumber).....	Hawaii.....	—	4	—	Calif.*
<i>Dacus dorsalis</i> Hend. (Tephritidae):					
<i>Averrhoa carambola</i> (carambola) fruit.....	do.....	—	1	—	Hawaii.
Baggage.....	do.....	—	1	—	Hawaii.
<i>Calophyllum inophyllum</i> (Indiapoon beauty-leaf) fruit.....	do.....	—	2	—	Calif.,* Hawaii.
<i>Capsicum annuum</i> (pepper).....	do.....	—	1	—	Calif.*
<i>Carica papaya</i> (papaya).....	do.....	—	3	—	Hawaii.
<i>Eugenia jambos</i> (rose-apple).....	do.....	—	2	—	Hawaii.
<i>E. malaccensis</i> (Malay-apple).....	do.....	—	2	—	Hawaii.
<i>Eugenia</i> sp. (fruit).....	do.....	—	2	—	Hawaii.
<i>Mangifera indica</i> (mango).....	Hawaii, Philippines.....	19	1	—	Calif.,* Hawaii.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Dacus dorsalis</i> Hend.—Continued					
<i>Persea americana</i> (avocado)	Hawaii	4	—	—	Hawaii.
<i>Psidium guajava</i> (guava)	do	2	—	—	Hawaii.
<i>Terminalia catappa</i> (tropical almond)	do	2	—	—	Hawaii.
<i>Dacus dorsalis</i> Hend.(?) (Tephritisidae):					
<i>Aleurites moluccana</i> (candenut-tree)	do	1	—	—	Hawaii.
<i>Mangifera indica</i> (mango)	do	6	—	—	Hawaii.
<i>Persea americana</i> (avocado)	do	1	—	—	Hawaii.
<i>Psidium guajava</i> (guava)	Hawaii, India	2	—	—	Hawaii.
<i>Dacus oleae</i> (Gmel.) (Tephritisidae):					
Baggage (with lemon)	Italy	1	—	—	N.Y.
<i>Olea europaea</i> (olive)	Europe (country(?)), France, Greece, Israel, Italy, Lebanon, Spain.	76	1	—	Md., Mass., Mich., N.J., N.Y., Ohio, Pa., Tex.
<i>O. verrucosa</i> (warty olive) seed	Republic of South Africa	—	—	1	D.C.
<i>Olea</i> sp. (branch with fruit)	Ethiopia	1	—	—	Tex.
<i>Dacus oleae</i> (Gmel.) (?) (Tephritisidae):					
<i>Olea europaea</i> (olive)	Italy	1	—	—	N.Y.
<i>Deltocoelphalus maculellus</i> Osborn (Cicadellidae):					
Airplane	British West Indies (island(?)), St. Kitts.	—	2	—	Am. V.I., P.R.
<i>Depressaria erinaceella</i> Stgr. (Oecophoridae):					
<i>Cynara scolymus</i> (artichoke)	Italy	2	—	—	N.Y.
<i>Diabrotica speciosa</i> (Germ.) (Chrysomelidae):					
Airplane	Unknown	—	1	—	Fla.
<i>Dialeurodes chittendeni</i> Laing (Aleyrodidae):					
<i>Rhododendron</i> sp.	England, Netherlands	—	—	4	N.J., N.Y.
<i>Dialeurodes citrifolii</i> (Morg.) (Aleyrodidae):					
<i>Citrus</i> sp. (leaf)	Dominican Republic, Jamaica	2	—	—	Fla., N.Y.
<i>Dialeurodes kirkaldyi</i> (Kot.) (Aleyrodidae):					
<i>Gardenia jasminoides</i> (leaf)	Hawaii, Tahiti	2	—	—	Hawaii.
<i>Jasminum sambac</i> (Arabian jasmine) leaf	Hawaii, Philippines	1	—	3	D.C., Hawaii.
Plant—unidentified	China	—	—	1	Wash.
<i>Diaphania quadriguttalis</i> (Guen.) (Pyraustidae):					
Orchid (leaf)	Costa Rica	—	—	1	Fla.
<i>Diaprepes abbreviatus</i> (L.) (Curculionidae):					
Airplane	Puerto Rico	—	1	—	P.R.
Flowers	Haiti	—	1	—	P.R.
<i>Staphylea bolanderi</i> (Sierra bladder-nut)	do	—	1	—	P.R.
<i>Diaprepes abbreviatus</i> (L.) var. (Curculionidae):					
Flowers	do	—	1	—	P.R.
<i>Diaprepes farinosus</i> Gyll. (Curculionidae):					
<i>Zea mays</i> (corn) meal	Antigua	—	1	—	Am. V.I.
<i>Diataraxia oleracea</i> (L.) (Noctuidae):					
Airplane	Unknown	—	1	—	N.Y.
<i>Dichocrocis punctiferalis</i> (Guen.) (Pyraustidae):					
<i>Pinus</i> sp. (5-needle pine) dwarf tree	Japan	—	—	2	Wash.
<i>Dictyta nassata</i> (Puton) (Tingidae):					
Debris	Morocco	—	1	—	Fla.
<i>Dinoderus bifoveolatus</i> (Woll.) (Bostrichidae):					
<i>Phragmites</i> sp. (dunnage)	Africa (country(?))	—	1	—	Md.
Wood (crate)	India	—	1	—	N.Y.
<i>Dinoderus borneanus</i> Lesne(?) (Bostrichidae):					
Palm (matting)	American Samoa	—	1	—	Calif.*
<i>Diocalandra taitensis</i> (Guer.) (Curculionidae):					
Baggage	Hawaii	—	1	—	Hawaii.
<i>Cocos nucifera</i> (coconut)	do	—	4	—	Hawaii.
<i>Dorymyrmex laevimargo</i> Champ. (Curculionidae):					
Orchid (plant)	Guatemala, Mexico	—	—	5	Tex.
<i>Draculacephala clypeata</i> Osborn (Cicadellidae):					
Cargo (with bananas)	Ecuador	—	1	—	Fla.
<i>Drymaeus hegewischi</i> (Pfeiffer) (Bulimulidae):					
Bromeliad (plant)	Mexico	—	—	1	Fla.
<i>Dysdercus andreae</i> (L.) (Pyrrhocoridae):					
Airplane	Dominican Republic	—	2	—	Fla.
<i>Dysdercus mimus</i> (Say) (Pyrrhocoridae):					
<i>Saccharum officinarum</i> (sugarcane) bagasse	Mexico	—	1	—	Ill.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Dysdercus obliquus</i> (H.-S.) (Pyrrhocoridae):					
<i>Ananas comosus</i> (pineapple)-----	Mexico-----	1	—	—	Tex.
Railway car (with shrimp)-----	do-----	1	—	—	Ariz.
<i>Dyspessa ulula</i> (Bkn.) (Cossidae):					
<i>Allium sativum</i> (garlic)-----	Italy, Spain, unknown.	6	—	—	N.Y., P.R.
<i>Ectomyelois ceratoniae</i> (Zell.) (Phycitidae):					
<i>Acacia</i> sp. (seed)-----	Brazil-----	—	1	—	N.Y.
<i>Barringtonia</i> sp. (seed pod)-----	Hawaii-----	1	—	—	Hawaii.
<i>Cassia javanica</i> (appleblossom senna)-----	do-----	1	—	—	Hawaii.
<i>Cassia</i> sp. (seed pod)-----	do-----	1	—	—	Hawaii.
<i>Ceratonia siliqua</i> (carob)-----	Italy-----	2	—	—	N.Y.
<i>Citrus sinensis</i> (sweet orange)-----	Spain, unknown-----	3	6	—	N.Y., Pa.
<i>Cydonia oblonga</i> (quince)-----	Greece-----	1	—	—	N.Y.
<i>Eriobotrya japonica</i> (loquat)-----	Italy-----	1	—	—	N.Y.
<i>Ficus carica</i> (fig) dried-----	do-----	2	—	—	N.Y.
<i>Gossypium</i> sp. (cotton; boll)-----	Hawaii-----	1	—	—	Hawaii.
<i>Juglans</i> sp. (walnut)-----	Italy-----	2	—	—	N.Y.
<i>Prunus amygdalus</i> (almond)-----	do-----	4	—	—	Mich., N.Y.
<i>Punica granatum</i> (pomegranate)-----	Greece, Italy-----	6	—	—	N.Y.
<i>Pyrus communis</i> (pear)-----	Italy-----	1	—	—	N.Y.
Seed—unidentified-----	Unknown-----	—	1	—	Fla.
<i>Empoasca kraemerii</i> Ross & Moore (Cicadellidae):					
Airplane-----	Puerto Rico-----	—	1	—	P.R.
<i>Endelomyia aethiops</i> (F.) (Tenthredinidae):					
<i>Rosa</i> sp. (rose) cut flower-----	Denmark-----	1	—	—	N.Y.
<i>Epinotia aporema</i> (Wlsm.) (Olethreutidae):					
<i>Phaseolus vulgaris</i> cv. (string bean)-----	Chile, Colombia, Venezuela-----	1	4	—	Fla., Md., Tex.
Stores (with cabbage)-----	Peru-----	—	1	—	N.C.
<i>Ericia inanigulata</i> (Guen.) (Noctuidae):					
Airplane-----	Japan (?)-----	—	1	—	Hawaii.
<i>Eriophyes canestrinii</i> (Nal.) (Eriophyidae):					
<i>Buxus sempervirens</i> (boxwood) leaf-----	England-----	—	3	—	Wash.
<i>Eriopyga fed</i> (Druce) (Noctuidae):					
Orchid (plant)-----	Mexico-----	—	1	—	Tex.
<i>Erythrophrips durango</i> Watson (Aeolothripidae):					
<i>Yucca</i> sp. (flower)-----	do-----	—	1	—	Tex.
<i>Ethelema sobrina</i> Sharp (Colydiidae):					
<i>Ananas comosus</i> (pineapple)-----	do-----	—	2	—	Tex.
<i>Eucalendra setulosa</i> (Gyll.) (Curculionidae):					
Bamboo (pole)-----	Ecuador-----	—	1	—	Calif. *
<i>Eucalyptus tessellatus</i> (Sign.) (Coccidae):					
<i>Gardenia</i> sp.-----	Unknown-----	—	1	—	Hawaii.
<i>Euetheola humilis</i> (Burm.) (Scarabaeidae):					
Airplane-----	Brazil-----	—	1	—	N.Y.
<i>Euleia heraclei</i> (L.) (Tephritidae):					
<i>Apium graveolens</i> var. <i>dulce</i> (celery)-----	France-----	—	1	—	N.Y.
<i>Euleia heraclei</i> (L.) (?) (Tephritidae):					
<i>Apium graveolens</i> var. <i>dulce</i> (celery)-----	England, Italy-----	—	2	—	N.Y.
<i>Petroselinum crispum</i> (parsley)-----	Belgium-----	—	1	—	N.Y.
<i>Eumaeus debora</i> (Hbn.) (Lycaenidae):					
Cycadaceae (leaf)-----	Mexico-----	—	1	—	Tex.
<i>Eupelix cuspidata</i> (Fab.) (Cicadellidae):					
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)-----	Italy-----	—	1	—	N.Y.
<i>Euphyllura olitina</i> (Costa) (Psyllidae):					
Cutting—unidentified-----	Greece-----	—	—	1	Ill.
<i>Euproctis similis</i> (Fuessly) (Lymantriidae)					
<i>Crataegus</i> sp. (hawthorn)-----	Japan-----	—	—	1	Hawaii.
<i>Eurytoma amygdali</i> Enderl. (Eurytomidae):					
<i>Prunus amygdalus</i> (almond)-----	Jordan-----	—	1	—	Md.
<i>Eurytoma orchidearum</i> (Westw.) (Eurytomidae):					
<i>Cattleya</i> sp. (orchid)-----	Brazil, Colombia-----	—	2	—	Fla.
<i>Vanda</i> sp. (orchid)-----	Ceylon-----	—	1	—	N.Y.
<i>Euscepes postfasciatus</i> (Fairm.) (Curculionidae):					
<i>Ipomoea batatas</i> (sweetpotato)-----	Brazil, British Guiana, Jamaica, Panama, Puerto Rico, Tortola, Trinidad.	3	5	—	Ala., Am. V.I., Calif., * La., N.Y., Pa.
Mail (with ti cutting)-----	Hawaii-----	—	—	1	Hawaii.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-	Nonentry	Propaga-	
<i>Euxesta eluta</i> Loew (Otitidae): Airplane	Puerto Rico, unknown, West Indies (island(?)).		3		Fla., P.R.
<i>Everes comyntas</i> (Godt.) (Lycaenidae): <i>Phaseolus vulgaris</i> cv. (string bean)	Mexico	1			Tex.
<i>Evergestis forficalis</i> (L.) (Pyraustidae): <i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower) <i>B. oleracea</i> var. <i>capitata</i> (cabbage)	France Belgium, France, Netherlands		1 4		N.Y. Ala., La., N.Y., P.R.
<i>Erptochiromera formosa</i> (Dist.) (Lygaeidae): <i>Acacia</i> sp.	Mexico			1	Tex.
<i>Figulus foenicollis</i> Boisd. (Lucanidae): <i>Samanea saman</i> (raintree saman) log	Fiji	1			Hawaii.
<i>Forficula aetolica</i> Brunn. (Forficulidae): Straw (packing material)	Israel	1			N.Y.
<i>Forficula decipiens</i> Géné (Forficulidae): <i>Capsicum annuum</i> (pepper) dried	Italy	1			N.Y.
<i>Forficula pubescens</i> Géné (Forficulidae): <i>Pinus</i> sp. (cone)	Germany	1			Md.
<i>Frankliniella formosae</i> Mt. (Thripidae): <i>Chrysanthemum morifolium</i>	Japan	2	2		Hawaii, Wash.
<i>Dianthus caryophyllus</i> (carnation)	do	1	1		Hawaii.
Flowers	do		1		Hawaii.
<i>Rosa</i> sp.	do		1		Hawaii
<i>Frankliniella intonsa</i> (Tryb.) (Thripidae): <i>Aster</i> sp. (cut flower)	Europe (country(?))		1		N.Y.
<i>Calluna vulgaris</i> (heather)	Germany	3			N.Y., Wash.
<i>Dahlia</i> sp. (cut flower)	England	1			N.Y.
<i>Dianthus caryophyllus</i> (carnation)	England, Europe (country(?)), Germany, Hungry, Italy, Poland.	7	3		N.Y., Wash.
Flowers	England, Germany, Sweden	2	1		N.J., N.Y., Wash.
<i>Fragaria</i> sp. (strawberry) plant	Switzerland			1	N.Y.
<i>Gladiolus</i> sp. (cut flower)	Germany, Italy, Poland	2	1		Ill., N.Y.
<i>Rosa</i> sp. (cut flower)	Belgium, Czechoslo- vakia, England, Finland, France, Germany, Hungry, Italy, Poland, Switzerland, unknown.	28	2		Ill., Mass., Mich., N.Y.
<i>Frankliniella schultzei</i> (Tryb.) (Thripidae): <i>Chrysanthemum</i> sp. (cut flower)	Africa (country(?)), Australia		3		Hawaii, N.Y.
<i>Rosa</i> sp. (cut flower)	Australia		1		Hawaii.
<i>Frankliniella sulphurea</i> Schmutz (Thripidae): <i>Capsicum annuum</i> (pepper)	Dominican Republic	1			P.R.
<i>Zinnia</i> sp. (cut flower)	Unknown		1		N.Y.
<i>Frankliniella tenuicornis</i> (Uzel) (Thripidae): <i>Gladiolus</i> sp. (cut flower)	Israel	1			N.Y.
<i>Fulvius anthocoroides</i> Stål (Miridae): Orchid (plant)	Guatemala			1	Fla.
<i>Fundella pellucens</i> (Zell.) (Phyticidae): <i>Cajanus cajan</i> (pigeonpea)	Barbados	3			N.Y.
<i>Phaseolus vulgaris</i> cv. (string bean)	Aruba, Panama	1	1		Calif.,* Pa.
<i>Vigna sesquipedalis</i> (yardlong cowpea)	Surinam	1			N.Y.
<i>V. sinensis</i> (common cowpea)	British Guiana	1			Fla.
<i>Furcaspis oceanica</i> Ldgr. (Coccidae): <i>Cocos nucifera</i> (coconut)	Eniwetok, Kwajalein	3	1		Hawaii, Wash.
<i>Galgupha punctifer</i> McA. & Mall. (Pentatomidae): Bromeliad	Mexico			1	Ariz.
<i>Gastrimargus brevipes</i> Sjost. (Acrididae): Cargo (as food for live shrew)	Kenya			1	N.Y.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonen-tity	Propaga-tion	
<i>Gelechia ericetella</i> (Hbn.) (Gelechiidae): <i>Calluna vulgaris</i> (heather)	Denmark, England, Germany, Ireland, Norway, Scotland, Switzerland	17	—	—	N.Y.
<i>Genaparlatoria pseudaspidotus</i> (Ldgr.) (Cocciidae): <i>Vanda</i> sp. (orchid) plant	Indonesia	—	1	—	Hawaii.
<i>Geniates panamensis</i> Arrow (Scarabaeidae): Airplane	Panama, unknown	—	3	—	Fla.
<i>Geocoris thoracicus</i> (F.) (Lygaeidae): Airplane	Puerto Rico	—	1	—	P.R.
<i>Geomyza tripunctata</i> Fall. (Opomyzidae): <i>Lactuca sativa</i> (lettuce)	France	—	1	—	N.Y.
<i>Geotomus pygmaeus</i> (Dallas) (Cydnidae): Soil	American Samoa	1	—	—	Hawaii.
<i>Swietenia mahagoni</i> (mahogany)	Japan	1	—	—	Hawaii.
<i>Giraudiella inclusa</i> (Frauenfeld) (Cecidomyiidae): <i>Phragmites</i> sp. (reed) mat	Austria	1	—	—	Ill.
<i>Gnorimoschema gudmannella</i> (Wlsm.) (Gelechiidae): <i>Capsicum annuum</i> (pepper)	Colombia, Guatemala, Mexico	3	—	—	Fla., Tex.
<i>C. annuum</i> var. <i>longum</i> (chili pepper)	British Honduras, Mexico	3	—	—	Fla., Tex.
<i>Gnorimoschema ocellatella</i> (Boyd) (Gelechiidae): <i>Beta vulgaris</i> (beet)	Italy, United Arab Republic	—	3	—	N.Y., Tex.
Stores (with string bean)	Italy	—	1	—	N.Y.
<i>Gnorimoschema plaeisoma</i> (Turn.) (Gelechiidae): <i>Solanum tuberosum</i> (potato)	Chile	—	1	—	La.
<i>Gortyna flavago</i> (Schiff.) (Noctuidae): <i>Cynara scolymus</i> (artichoke)	France	—	2	—	N.Y.
<i>Gracilaria azaleella</i> Brants (Gracilariidæ): <i>Rhododendron</i> sp. (azalea) leaf	England, France	—	—	2	N.J.
<i>Graptostethus wallensis</i> (Stal) (Lygaeidae): <i>Operculina tuberosa</i> (wood-rose)	Hawaii	1	—	—	Hawaii.
<i>Vanda</i> sp. (orchid)	do	1	—	—	Hawaii.
<i>Gryllotalpa africana</i> P. de B. (Gryllotalpidæ): Cargo (aircraft parts)	Japan	—	1	—	Hawaii.
<i>Gryllus bimaculatus</i> De Geer (Gryllidae): Airplane	Morocco	—	7	—	Fla., Ga.
Baggage	do	—	1	—	—
<i>Haplothrips aculeatus</i> (F.) (Phlaeothripidae): Nursery stock	Netherlands	—	—	3	N.J.
<i>Ornithogalum</i> sp. (star-of-Bethlehem)	Germany	1	—	—	N.Y.
<i>Triticum aestivum</i> (wheat) straw	Poland	1	—	—	N.Y.
<i>Haplothrips clarisetis</i> Priesner (?) (Phlaeothripidae): <i>Mesembryanthemum</i> sp.	Mexico	—	2	—	Calif.
<i>Petroselinum crispum</i> (parsley)	do	—	1	—	Calif.
<i>Haplothrips cotti</i> (Vuillet) (Phlaeothripidae): <i>Dianthus caryophyllus</i> (carnation)	Cyprus	—	1	—	N.Y.
<i>Haplothrips goodeyi</i> (Frankl.) (Phlaeothripidae): <i>Antirrhinum majus</i> (snapdragon)	Haiti	—	2	—	P.R.
<i>Celosia argentea</i> var. <i>cristata</i> (common feather cockscomb) seed head	Jamaica	—	—	1	N.Y.
<i>Chrysanthemum</i> sp. (cut flower)	Australia	—	2	—	Hawaii.
<i>Dahlia</i> sp.	do	—	1	—	Hawaii.
<i>Dianthus caryophyllus</i> (carnation)	Japan	—	1	—	Hawaii.
Flowers	Haiti	—	11	—	P.R.
Herb	Puerto Rico	—	1	—	P.R.
<i>Protea</i> sp.	Republic of South Africa	—	1	—	N.Y.
<i>Haplothrips tritici</i> (Kurdj.) (Phlaeothripidae): <i>Triticum aestivum</i> (wheat) stem	Union of Soviet Socialist Republics	—	1	—	N.Y.
<i>Helicella arigonis</i> (Rossmanssler) (Helicellidae): Stores	Spain	—	1	—	S.C.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump- tion	Non- metry	Propaga- tion	
<i>Helicella candidula</i> (Studer) (Helicellidae):					
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)	Netherlands	1			La.
<i>Mirabilis jalapa</i> 'Marvel-of-Peru' (four o'clock) seed.	do		1		Pa.
<i>Mirabilis</i> sp. (seed)	Denmark		1		Pa.
<i>Helicella caperata</i> (Montagu) (Helicellidae):					
Military cargo (conex box)	England, France	4			La.
<i>Quercus suber</i> (cork oak)	Spain	1			Ill.
<i>Helicella conspurcata</i> (Draparnaud) (Helicellidae):					
Military cargo	Morocco, Spain	2			N.Y., Va.
<i>Helicella cretica</i> (Fer.) (Helicellidae):					
Military cargo	Crete, Greece, Turkey	5			Del., N.Y.
<i>Helicella derbentina</i> (Andrz.) (Helicellidae):					
Military cargo	Turkey	4			Del., La., N.Y.
<i>Helicella elegans</i> (Gmelin) (Helicellidae):					
<i>Mirabilis jalapa</i> 'Marvel-of-Peru' (four o'clock) seed.	Netherlands		1		Pa.
<i>Helicella itala</i> (L.) (Helicellidae):					
Military cargo (conex box)	Unknown	1			La.
<i>Helicella littoralis</i> (Mousson) (?) (Helicellidae):					
Military cargo	Greece	1			N.Y.
<i>Helicella maritima</i> (Draparnaud) (Helicellidae):					
Airplane	Spain		1		Fla.
Herb.	Greece	1			N.J.
Military cargo	France, Greece, Morocco, Spain	11			Del., La., Mass., N.Y., S.C., Va.
<i>Helicella protea</i> (Ziegler) (Helicellidae):					
Military cargo	Turkey, unknown	7			Del., N.Y., S.C., Va.
<i>Helicella pyramidata</i> (Draparnaud) (Helicellidae):					
Military cargo	Germany, Italy, Libya	4			La., S.C., Va.
Residue (in cargo hold)	Unknown	1			
Soil with <i>Begonia</i> sp.	Italy		1		Mich.
<i>Helicella trochoides</i> (Poiret) (Helicellidae):					Mass.
<i>Mirabilis jalapa</i> 'Marvel-of-Peru' (four o'clock) seed.	Netherlands		1		Pa.
<i>Helicella variabilis</i> (Draparnaud) (Helicellidae):					
Automobile	France	1			La.
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)	do	1			N.Y.
<i>Cichorium intybus</i> (chicory)	do	1			N.Y.
<i>Lactuca sativa</i> (lettuce)	Italy	1			N.Y.
Military cargo	France, Greece, Spain, Turkey	6			La., N.Y., Va.
<i>Muscari comosum</i> (tassel grapehyacinth)	Italy	1			N.Y.
<i>Quercus suber</i> (cork oak)	Spain	1			Ill.
<i>Helicella virgata</i> (DaCosta) (Helicellidae):					
<i>Allium porrum</i> (leek)	do	1			Pa.
Stores	do	1			S.C.
<i>Helicina convexa</i> Pfeiffer (Helicinidae):					
Military cargo	Bermuda	1			S.C.
<i>Helicina neritella</i> Lamarck (Helicinidae):					
Orchid (plant)	Jamaica		1		Fla.
<i>Helix aperta</i> Born (Helicidae):					
Baggage	Italy	2			N.Y.
Military cargo	Azores, Italy	3			N.Y.
Stores	Italy	1			Va.
<i>Helix aspersa</i> Müller (Helicidae):					
<i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)	France	1			N.Y.
Cargo (with crate of marble)	Portugal	1			Calif.*
<i>Lactuca sativa</i> (lettuce)	France	1			N.Y.
Mail	Haiti	1			Fla.
Military cargo	Australia, Azores, Crete, France, unknown.	15			La., N.Y., Pa., Va.
<i>Mirabilis jalapa</i> 'Marvel-of-Peru' (four o'clock) seed.	Netherlands		1		Pa.
Orchid (plant)	Mexico		1		Tex.
Stores	Spain	1			S.C.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Helix figurina</i> (Parreyss) (Helicidae): Military cargo	Turkey	1			Del.
<i>Helix pomatia</i> L. (Helicidae): Baggage	Germany	1			Va.
<i>Helula undalis</i> (F.) (Pyraustidae): <i>Brassica rapa</i> (turnip)	France, Senegal		2		Mass., Pa.
<i>Heterobostrychus aequalis</i> (Waterh.) (Bostrichidae): Wood (crate)	India, Pakistan, Philippines, Thailand, Vietnam	5			Md., Mass., N.Y., Tex.
<i>Heterobostrychus brunneus</i> (Murray) (Bostrichidae): Wood (packing board)	Republic of the Congo, West Africa	2			Md.
<i>Heterotermes convexinotatus</i> (Snyder) (Rhinotermitidae): Cargo (with carton of shirts)	Jamaica	1			Fla.
Wood (crate)	Colombia	1			Fla.
<i>Holochlora japonica</i> Brunn. (Tettigoniidae): <i>Pittosporum</i> sp.	Japan		1		Hawaii.
<i>Homarcoryphus nitidulus</i> (Scopoli) (Tettigoniidae): Cargo (with live chameleon)	Kenya	1			N.Y.
<i>Homoeogryllus japonicus</i> (Haan) (Gryllidae): Soil	Hong Kong	1			Hawaii.
<i>Hydroecia xanthenes</i> (Germ.) (Noctuidae): <i>Cynara scolymus</i> (artichoke)	Algeria		1		N.Y.
<i>Hydesia euphemia</i> Dyar (Saturniidae): <i>Solanum melongena</i> (eggplant)	Mexico	1			Ariz.
<i>Hylobius abietis</i> (L.) (Curculionidae): Conifer (packing board)	Italy	1			Md.
<i>Hymenia perspectalis</i> (Hbn.) (Pyraustidae): Airplane	Unknown		1		Fla.
<i>Hypomeces squamosus</i> F. (Curculionidae): Airplane	Japan		1		Hawaii.
<i>Incisitermes repandus</i> (Hill) (Kalotermitidae): <i>Samanea saman</i> (raintree saman) log	Fiji	1			Hawaii.
<i>Ips calligraphus</i> (Germ.) (Scolytidae): <i>Pinus</i> sp. (bark on log)	Bahamas	1			Fla.
<i>Iridomyrmex iniquus</i> Mayr (Formicidae): Bromeliad (plant)	Guatemala		1		Fla.
Orchid (plant)	Guatemala, Mexico		6		Fla., N.Y., Tex.
<i>Jadera pyrrholoma</i> Stal (Coreidae): <i>Rose</i> sp. (rose) cut	Haiti	1			N.Y.
<i>Kalotermes flavicollis</i> (Fabr.) (Kalotermitidae): Straw (liquor jacket)	Spain	1			N.Y.
<i>Lafia arcuata</i> Scudd. (Labiidae): <i>Chamaedorea oblongata</i> (palm) leaf	Mexico	1			Tex.
<i>Lamellaxis micra</i> (Orbigny) (Achatinidae): Orchid (plant)	Honduras		1		Fla.
<i>Lamپides boeticus</i> (L.) (Lycaenidae): <i>Canavalia micropurpa</i> (mauna loa) lei	Hawaii	3			Calif.,* N.Y., Hawaii.
<i>Phaseolus vulgaris</i> cv. (string bean)	Italy	1			N.Y.
<i>Pisum</i> sp. (pea) pod	Japan		1		Hawaii.
<i>Sesbania</i> sp.	Hawaii	1			Hawaii.
<i>Laspeyresia nigricana</i> (Steph.) (Olethreutidae): <i>Pisum sativum</i> (garden pea)	Spain		1		Ala.
<i>Laspeyresia splendana</i> (Hbn.) (Olethreutidae): Baggage (with apple)	Portugal	1			N.Y.
<i>Castanea sativa</i> (European chestnut)	Austria, Azores, France, Greece, Italy, Portugal, Spain, unknown	90			Ill., Mass., Mich., N.Y., P.R.
<i>Quercus suber</i> (cork oak) seed	Italy			1	N.J.
<i>Quercus</i> sp. (acorn)	Switzerland	1			Fla.
<i>Lema bilineata</i> Germ. (Chrysomelidae): Excelsior (packing with melons)	Chile	1			N.Y.
<i>Lepidosaphes conchiformis</i> (Gmel.) (Coccoidae): <i>Diospyros kaki</i> (kaki persimmon)	Japan	1			Hawaii.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Lepidosaphes esakii</i> Tak. (Coccidae): <i>Cocos nucifera</i> (coconut)	Kwajalein	1	—	—	Hawaii.
<i>Lepidosaphes philococcus</i> (Ckll.) (Coccidae): Cactus (plant)	Mexico	—	—	1	Tex.
<i>Lepidosaphes pini</i> (Mask.) (Coccidae): <i>Pinus</i> sp. (plant)	Japan	—	—	1	Hawaii.
<i>Lepidosaphes tokionis</i> (Kuw.) (Coccidae): <i>Codiaeum</i> sp. (eroton)	Hawaii	3	—	4	Calif.,* Hawaii.
<i>Lepidosaphes tuberculata</i> Mal. (Coccidae): Orchid (pseudobulb)	Australia	—	—	1	Wash.
<i>Lepidosaphes tubulorum</i> Ferris (Coccidae): <i>Malus sylvestris</i> (apple)	Netherlands(?)	1	—	—	Calif.*
<i>Leucinodes orbonalis</i> Guen. (Pyraustidae): <i>Solanum melongena</i> (eggplant)	Federation of Malaysia(?) Ghana, Senegal.	1	2	—	Hawaii, Mass., N.Y.
<i>Ligyrocoris nitidicollis</i> (Stal) (Lygaeidae): <i>Ananas comosus</i> (pineapple)	Mexico	1	—	—	Tex.
<i>Limax marginatus</i> Müller (Limacidae): Bromeliad (plant)	Costa Rica, Guatemala, Jamaica	—	—	3	Fla.
<i>Cordyline terminalis</i> (ti)	Hawaii	1	—	—	Hawaii.
<i>Lactuca sativa</i> (lettuce)	Italy	—	1	—	N.Y.
Orchid (plant)	Colombia	—	—	1	Fla.
<i>Limothrips denticornis</i> (Hal.) (Thripidae): <i>Lactuca sativa</i> (lettuce)	Europe (country(?)	—	1	—	N.Y.
<i>Liocris tripustulatus</i> (F.) (Miridae): Rosaceae (leaf)	France	—	1	—	Ill.
<i>Liodontomerus papaveris</i> (Foerster) (Torymidae): <i>Salvia</i> sp. (sage) seed pod	Greece	—	1	—	N.Y.
<i>Liogenys macropelma</i> Bates (Scarabaeidae): Airplane	Panama, unknown	—	12	—	Fla., N.Y.
<i>Liogenys quadridens</i> (Fab.) (Scarabaeidae): Airplane	Panama	—	1	—	Fla.
<i>Lobesia botrana</i> (Schiff.) (Olethreutidae): <i>Vitis</i> sp. (grape)	Italy	—	1	—	N.Y.
<i>Lozosteges bifidalis</i> (F.) (Pyraustidae): <i>Portulaca oleracea</i> (purslane)	Mexico	—	1	—	Tex.
<i>Lycus africanus</i> Lesne (Lyctidae): Cargo (with household van)	Hong Kong	—	1	—	Md.
<i>Glycyrrhiza glabra</i> (licorice) root	Greece	—	1	—	Md.
<i>Swietenia mahagoni</i> (mahogany) dowell	Unknown	—	1	—	La.
<i>Lycus brunneus</i> (Steph.) (Lyctidae): Wood	Australia, Nigeria	—	2	—	Md., N.Y.
<i>Lygaeus cquestris</i> (L.) (Lygaeidae): Airplane	Morocco	—	1	—	Fla.
<i>Lygaeus pandurus</i> (Scop.) (Lygaeidae): Airplane	—do—	—	1	—	Fla.
<i>Lygaeus pulchellus</i> F. (Lygaeidae): <i>Ananas comosus</i> (pineapple)	Mexico	—	1	—	Tex.
Bromeliad	—do—	—	—	1	Tex.
Orchid (plant)	Honduras	—	—	1	Fla.
<i>Lygus lineolaris</i> (Palis.) (Miridae): Plant material (Christmas greenery)	Mexico	—	1	—	Tex.
<i>Lygus rugulipennis</i> Poppius (Miridae): <i>Arabis</i> sp. (rockcress)	England	—	—	1	N.Y.
<i>Macroglossum stellatarum</i> (L.) (Sphingidae): Military cargo (conex box)	Spain	—	1	—	Mass.
<i>Macrostomum ibarae</i> Mats. (?) (Aphididae): <i>Rosa</i> sp. (rose) cut	Unknown	—	1	—	Hawaii.
<i>Mamestra brassicae</i> (L.) (Noctuidae): <i>Beta vulgaris</i> var. <i>cicla</i> (Swiss chard)	Italy	—	1	—	N.Y.
<i>Brassica oleracea</i> var. <i>acephala</i> (kale)	Denmark	—	1	—	N.Y.
<i>B. oleracea</i> var. <i>botrytis</i> (cauliflower)	Denmark, France, Italy, Netherlands	—	5	—	N.Y., Ohio.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage)	Belgium, France, Italy, Netherlands	—	14	—	Ala., La., N.Y.
<i>Lactuca sativa</i> (lettuce)	France, Spain	—	2	—	N.Y., P.R.
Quarters (with gladiolus flower)	Italy	—	1	—	N.Y.
<i>Marasmius poegalidis</i> Bd. (Pyraustidae): Airplane	Unknown	—	1	—	Hawaii.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Maruca testulalis</i> (Geyer) (Pyraustidae): Baggage (with coriander seed).....	Dominican Republic.....	1	—	—	Fla., N.Y., P.R., Tex.
<i>Cajanus cajan</i> (pigeonpea).....	Dominican Republic, Panama, Puerto Rico, Hawaii.....	6	—	—	—
<i>Canavalia microcarpa</i> (mauna loa) lei.....	Hawaii.....	4	—	—	Calif.,* Hawaii, P.R.
<i>Phaseolus lunatus</i> (lima bean).....	Puerto Rico.....	1	—	—	Fla., La., N.Y., Tex.
<i>P. vulgaris</i> cv. (string bean).....	Japan, Puerto Rico, Senegal, Surinam.....	4	5	—	Wash.
<i>Sesbania</i> sp.....	Hawaii.....	1	—	—	Hawaii.
<i>Matsumuraesphaeoli</i> (Mats.) (Olethreutidae):					
<i>Phaseolus vulgaris</i> cv. (string bean).....	Japan.....	—	4	—	Calif.,* Hawaii, Tex., Wash.
<i>Megalorygus molinai</i> Chop. (Gryllidae): Cargo (in water with tropical fish).....	Colombia.....	1	—	—	Fla.
<i>Megaris laevicollis</i> Stal (Pentatomidae): Plant material (packing for snakes).....	Brazil.....	1	—	—	N.Y.
<i>Megastigmus pistaciae</i> Wlk. (Torymidae): <i>Pistacia</i> sp. (pistache) nut.....	Italy.....	2	—	—	N.Y.
<i>Melanaspis squamae</i> Ferris (Coccidae): <i>Ceratomia</i> sp. (cycad) stem.....	Mexico.....	—	—	1	Calif.*
<i>Melolontha melolontha</i> (L.) (Scarabaeidae): Quarters (of airplane).....	Switzerland.....	—	1	—	Ill.
<i>Melormenis antillarum</i> (Kirk.) (Flatidae): Plant material (leaves for tea).....	Tortola.....	1	—	—	Am. V.I.
<i>Meridyras progenies</i> (Guen.) (Noctuidae): Airplane.....	Dominican Republic.....	—	1	—	Fla.
<i>Merodon equestris</i> (F.) (Syrphidae): <i>Narcissus viridiflorus</i> (green autumn jonquil) bulb.....	England.....	—	—	1	N.J.
<i>Narcissus</i> sp. (bulb).....	England, Netherlands.....	—	—	3	N.J.
<i>Tulipa</i> sp. (tulip) bulb.....	Netherlands.....	—	—	1	N.J.
<i>Mescinia perrella</i> Schaus (Phycitidae): <i>Gossypium</i> sp. (cottonseed).....	Peru.....	1	—	—	Fla.
<i>Metamasius hemipterus hemipterus</i> (L.) (Curculionidae): Bromeliad.....	Guatemala.....	—	—	1	Tex.
<i>Musa X paradisiaca</i> (plantain) leaf.....	Puerto Rico.....	1	—	—	P.R.
<i>Musa</i> sp. (baby banana).....	do.....	1	—	—	P.R.
<i>Metamasius hemipterus sericeus</i> (01.) (Curculionidae): <i>Ananas comosus</i> (pineapple).....	Equador.....	1	—	—	Fla.
Cargo (in hold of ship).....	do.....	—	3	—	Fla.
<i>Musa X paradisiaca</i> (banana).....	Costa Rica, Ecuador, Guatemala, Honduras.....	36	—	—	Ala., Fla., La., N.Y., Tex.
<i>Miccotrogus pictirostris</i> (F.) (Curculionidae): Plants—unidentified.....	Canada.....	—	—	2	Wash.
<i>Micrapate labialis</i> Lesne (Bostrichidae): <i>Salix</i> sp. (willow) crate.....	Mexico.....	1	—	—	Ariz.
Wood.....	do.....	1	—	—	Calif.
<i>Micrapate mexicana</i> Fisher(?) (Bostrichidae): Wood (stem).....	do.....	1	—	—	Tex.
<i>Milax gagates</i> (Draparnaud) (Limacidae): <i>Brassica oleracea</i> var. <i>capitata</i> (cabbage).....	Italy, Netherlands.....	2	—	—	N.Y.
<i>Lactuca sativa</i> (lettuce).....	England, France.....	2	—	—	N.Y.
Orchid (plant).....	Colombia.....	—	—	1	Fla.
<i>Mimegralla coeruleifrons</i> (Macq.) (Micropezidae): <i>Zingiber officinale</i> (ginger) root.....	Philippines.....	1	—	—	Hawaii.
<i>Mimosestes dominicanus</i> (Jek.) (Bruchidae): Seed—unidentified.....	Dominican Republic.....	1	—	—	Fla.
<i>Minthea rugicollis</i> (Wlk.) (Lyctidae): Plant material (unidentified).....	Hong Kong(?) Macao.....	2	—	—	Hawaii.
<i>Phragmites</i> sp. (reed) Dunnage.....	Africa (country(?)).....	—	1	—	Md.
Wood (packing boards).....	Republic of the Con-go, unknown.....	2	—	—	Md.
<i>Minthea squamigera</i> Pascoe (Lyctidae): <i>Cedrus</i> sp. (cedar) bark.....	Colombia.....	1	—	—	N.Y.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump- tion	Nonentry	Propaga- tion	
<i>Miogryllus convolutus</i> (Joh.) (Gryllidae): <i>Cucumis melo</i> var. <i>cantalupensis</i> (cantaloupe)	El Salvador	1	—	—	Fla.
<i>Mniothripa lichenigera</i> (Hampson) (Noctuidae): <i>Airplane</i>	Philippines	—	1	—	Hawaii.
<i>Modocoryllus conspersus</i> (Schaum) (Gryllidae): Baggage (in suitcase)	Hawaii	1	—	—	Hawaii.
<i>Monacha cantiana</i> (Montagu) (Helicellidae): Military cargo (conex box)	France	1	—	—	La.
<i>Monacha carthusaiana</i> (Müller) (Helicellidae): Military cargo (conex box)	do	1	—	—	La.
<i>Monacha olivieri</i> (Per.) (Helicellidae): Military cargo (conex box)	Greece, Turkey	3	—	—	N.Y.
Soil with plants	Greece	—	—	1	N.Y.
<i>Monostrele unicostata</i> Muls. & Rey (Tingidae): <i>Prunus amygdalus</i> (almond)	Greece	1	—	—	N.Y.
<i>Morganella longispina</i> (Morg.) (Coccidae): <i>Citrus aurantifolia</i> (lime)	Tahiti	2	—	—	Calif.,* Hawaii.
<i>C. paradisi</i> (grapefruit)	do	1	7	—	Calif.,* Hawaii.
<i>Mormidea v-luteum</i> (Licht.) (Pentatomidae): Plant material (packing for snakes)	Brazil	1	—	—	N.Y.
<i>Morphacris fasciata</i> (Thunb.) (Aceridae): Cargo (as food for live shrew)	Kenya	1	—	—	N.Y.
<i>Mun. etopia nigromana</i> Coq. (Anthomyzidae): Airplane	Nicaragua	—	1	—	P.R.
<i>Myocelundra elongata</i> (Roel.) (Curculionidae): Bamboo (cane with roses)	Japan	1	—	—	Hawaii.
<i>Myrmecophila americana</i> Sauss. (Gryllidae): Oreid (plant)	Guatemala	—	—	1	Fla.
<i>Myzus ascalonicus</i> Donec. (?) (Aphidae): Soil with <i>Begonia</i> sp. (plant)	France	—	—	1	N.J.
<i>Nasutitermes chayuimayensis</i> (Hohng.) (Termitidae): <i>Bletia</i> sp. (orchid) bulb	Peru	—	—	1	Fla.
<i>Nasutitermes corniger</i> (Motsch.) (Termitidae): <i>Dalbergia</i> sp. (rosewood) log	Brazil	1	—	—	Mass.
<i>Schomburgkia</i> sp. (orchid) plant	British Honduras	—	1	—	Fla.
Wood (crate)	Venezuela	—	1	—	N.Y.
<i>Nasutitermes ephratae</i> (Holmg.) (Termitidae): <i>Epidendrum</i> sp. (orchid) plant	Panama	—	1	—	Fla.
Oreid (plant)	British Honduras	—	1	—	Fla.
<i>Nasutitermes nigriiceps</i> (Hald.) (Termitidae): Oreid (plant)	do	—	—	1	Fla.
<i>Nasutitermes ripperii</i> (Rambur) (Termitidae): Military cargo	Cuba	1	—	—	N.C.
Oreid (plant)	Bahamas	—	1	—	Fla.
<i>Naupactus xanthographus</i> (Germ.) (Curculionidae): <i>Cucumis melo</i> (melon)	Chile	2	—	—	N.Y.
<i>C. melo</i> 'Honeydew'	do	1	—	—	N.Y.
<i>Neoleucinodes elegantalis</i> (Guen.) (Pyraustidae): <i>Lycopersicon esculentum</i> (tomato)	Mexico	7	—	—	Tex.
<i>Nephottetis apicalis</i> (Motsch.) (Cicadellidae): Cargo	India	2	—	—	N.Y., Pa.
Stores	Unknown	—	1	—	Wash.
<i>Neuroterus tricolor</i> (Hartig) (Cynipidae): <i>Quercus</i> sp. (oak) leaf	Germany	—	1	—	Ill.
<i>Nyctius coenosulus</i> Stal (Lygaeidae): Baggage	Hawaii	—	1	—	Hawaii.
<i>Oligonychus perdis</i> P. & B. (Tetranychidae): <i>Juniperus</i> sp. (juniper) dwarf plant	Japan	—	—	1	Hawaii.
<i>Opeas pumilum</i> (Pfeiffer) (Achatinidae): <i>Piper</i> sp. (black pepper)	Unknown	—	1	—	N.C.
<i>Opeas pyrgula</i> Schmacker & Boettger (Achatinidae): <i>Platycerium</i> sp. (staghorn fern)	Philippines	—	—	1	Calif.*
<i>Oponaga sacchari</i> (Bojer) (Tineidae): <i>Cymbopogon citratus</i> (lemon-grass)	Portugal	1	—	—	N.Y.
<i>Gladiolus</i> sp. (corm)	Italy	—	—	3	N.Y.
<i>Saccharum officinarum</i> (sugarcane)	Portugal	1	—	—	N.Y.
Soil with <i>Begonia</i> sp. (plant)	Yugoslavia	—	—	1	N.Y.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nontry	Propaga-tion	
<i>Orchidophilus aterrimus</i> (Waterh.) (Curculionidae):					
Baggage	Hawaii	1			Hawaii.
Cargo	do	1			Hawaii.
<i>Dendrobium</i> sp. (orchid)	do	1			Hawaii.
<i>Epidendrum</i> sp. (orchid)	do	1			Hawaii.
Flowers	do	6			Hawaii.
<i>Holmskioldia sanguinea</i> ("Chinese-hat plant")	do	1			Hawaii.
<i>Lilium</i> sp. (lily) bulb	do			1	Hawaii.
Orchid (cut flower)	do	4			Hawaii.
<i>Vanda</i> 'Miss Joachim' (orchid) cut flower	do	33			Hawaii.
<i>Vanda</i> sp. (cut flower)	do	8			Hawaii.
<i>Ostrinia nubilalis</i> (Hbn.) (Pyraustidae):					
<i>Arctium lappa</i> (burdock) stem	Japan	4			Calif.,* Hawaii.
<i>Capsicum annuum</i> var. <i>grossum</i> (bell pepper)	Italy, Japan, Sweden	1	8		Fla., Hawaii, Md., N.Y., Pa.
<i>Malus sylvestris</i> (apple)	Italy	1			N.Y.
<i>Oryza sativa</i> (rice)	Japan	1			Hawaii.
<i>Prunus persica</i> (peach)	Unknown		1		Fla.
<i>Zea mays</i> (corn) fresh corn and seed	Italy, Thailand		1	2	Hawaii, Ill.
<i>Otala lactea</i> (Müller) (Helicidae):					
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)	Italy		1		N.Y.
Cargo (with cardboard carton)	Yugoslavia	1			Md.
<i>Otala vermiculata</i> (Müller) (Helicidae):					
Baggage	Italy	1			N.Y.
<i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)	do	1			N.Y.
<i>Lilium</i> sp. (lily) cut flower	Bermuda	1			N.Y.
Military cargo	Crete, Greece, Turkey, unknown	6			N.Y.
<i>Otosema odorata</i> (L.) (Noctuidae):					
Baggage	Mexico	1			Fla.
<i>Ovat'is crataegarius</i> (Wlk.) (Aphididae):					
<i>Mentha pulegium</i> (pennyroyal mint) leaf	Australia			1	D.C.
<i>M. spicata</i> (spearmint)	Portugal	1			N.Y.
<i>Mentha</i> sp.	Italy, Mexico	3		2	Calif., Ill., Mass., Tex.
<i>Oryzambulyx substrigilis</i> (Westw.) (Sphingidae):					
Airplane	Philippines		1		Hawaii.
<i>Ozyacarenus hyalinipennis</i> (Costa) (Lygaeidae):					
<i>Gossypium</i> sp. (cottonseed)	Pakistan	1			N.J.
<i>Punica granatum</i> (pomegranate)	Greece, Israel	2			N.Y.
<i>Ozychilus alliarius</i> (Müller) (Zonitidae):					
Bamboo	Hawaii	1			Calif.*
<i>Cibotium</i> sp. (fern) log	do			1	Calif.*
Soil	Ireland	1			Mass.
<i>Ozycoptis vittata</i> (Fab.) (Oedemeridae):					
Airplane	Unknown		1		P.R.
<i>Ozydema fusiforme</i> Woll. (Curculionidae):					
<i>Leucaena leucocephala</i> (white popinac lead-tree)	Hawaii	1			Hawaii.
<i>Sterculia</i> sp. (stem)	do	1			Hawaii.
<i>Ozydema tongulum</i> (Boh.) (Curculionidae):					
<i>Vanda densiflora</i> (orchid) plant	Thailand			1	Hawaii.
<i>Pachybrachius albocinctus</i> Barber (Lygaeidae):					
<i>Agave sisalana</i> (sisal agave) baled	West Africa	1			La.
<i>Palaeopus costicollis</i> Mshl. (Curculionidae):					
<i>Dioscorea</i> sp. (yam)	Jamaica	2			Fla., N.Y.
<i>Pallantia macula</i> Dallas (Pentatomidae):					
Bromeliad	Brazil			1	Fla.
<i>Paracosmia tolteca</i> (Scudd.) (Forficulidae):					
Bromeliad	Mexico			1	Ariz.
Orchid	do			1	Tex.
<i>Parastichtis monoglypha</i> (Hufn.) (Noctuidae):					
Baggage	Unknown	1			N.Y.
<i>Parisorchus expositus</i> (Champ.) (Curculionidae):					
<i>Chamaedorea</i> sp. (palm) stem	Mexico	1			Tex.
<i>Parisorchus flavolimbatus</i> Champ. (Curculionidae):					
<i>Chamaedorea oblongata</i> (palm) stem	do	1			Tex.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Parlatoria cinerea</i> Hadden (Coccidae):					
<i>Citrus aurantifolia</i> (lime)	Mexico		1		Calif.*
<i>C. grandis</i> (pummelo)	Tahiti		1		Hawaii.
<i>C. limon</i> (lemon)	Unknown		1		Wash.
<i>C. paradisi</i> (grapefruit)	Israel, Tahiti		3		Calif.*
<i>C. reticulata</i> (Mandarin orange)	Brazil, Mexico	1	1		Calif.*
<i>C. sinensis</i> (sweet orange)	Brazil, Israel, Mexico, Tahiti, unknown.	2	16		Calif.,* Wash.
<i>Parlatoria citri</i> McKenzie (Coccidae):					
<i>Citrus aurantium</i> (sour orange)	Vietnam	1			Hawaii.
<i>C. reticulata</i> (Mandarin orange)	Philippines	1			Hawaii.
<i>C. sinensis</i> (sweet orange)	Thailand	1			Hawaii.
<i>Parlatoria zizyphus</i> (Lucas) (Coccidae):					
<i>Citrus aurantium</i> (sour orange)	Vietnam	1			Hawaii.
<i>C. limon</i> (lemon)	Malta, unknown	1	1		Calif.*
<i>C. mitis</i> (calamondin orange)	Hong Kong, Philippines	1	1		Hawaii.
<i>C. paradisi</i> (grapefruit)	Italy		1		N.Y.
<i>C. paradisi</i> × <i>C. reticulata</i> (tangelo)	Philippines		1		Hawaii.
<i>C. reticulata</i> (Mandarin orange)	Algeria, China, Formosa, Haiti, Hong Kong, Italy, Japan, Morocco, Okinawa, Philippines, unknown.	13	12		Calif.,* Hawaii, N.Y.
<i>C. sinensis</i> (sweet orange)	Greece, Hong Kong, India, Italy, Japan, Morocco, Okinawa, Spain, unknown, Vietnam	10	11		Calif.,* Hawaii, N.Y., Wash.
<i>Citrus</i> sp.	Hong Kong, Wake Island(?)	1	1		Calif.,* Hawaii.
<i>Fortunella japonica</i> (kumquat)	Japan	1			Hawaii.
<i>Panara guttata</i> (Bremer) (Hesperiidae):					
Airplane	do		1		Hawaii.
<i>Parthenothrips dracaenae</i> (Heeger) (Thripidae):					
<i>Nothopanax</i> sp. (false panax)	Norway		1		N.Y.
<i>Paelus azaleae</i> (B. & M.) (Aleyrodidae):					
<i>Rhododendron</i> sp. (azalea) leaf	England			1	N.Y.
<i>Pectinophora gossypiella</i> Saund. (Gelechiidae):					
<i>Gossypium tomentosum</i> (Hawaiian cotton) seed	Hawaii			1	D.C.
<i>Gossypium</i> sp. (cotton; boll)	Grenada, Hawaii, Jamaica	4			Bermuda, Hawaii, N.Y., P.R.
<i>Gossypium</i> sp. (cotton; lint)	Jamaica	1			Fla.
<i>Gossypium</i> sp. (cottonseed)	Dominican Republic, Haiti, Mexico, Pakistan, unknown, Venezuela	18			Fla., Ga., La., N.J., N.Y., Tex.
<i>Gossypium</i> sp. (seed cotton)	Brazil, Mexico	2			Fla., Tex.
<i>Hibiscus esculentus</i> (okra)	Barbados, Brazil, Dominican Republic, Grenada, Liberia	29	1		Fla., N.Y., Pa., P.R.
<i>Pectinophora malrella</i> (Hbn.) (Gelechiidae):					
<i>Athaea rosea</i> (hollyhock) seed	England			1	D.C.
<i>Pentalonia nigronervosa</i> Coq. (Aphididae):					
<i>Aechmea bracteata</i>	Hawaii	1			Hawaii.
Airplane	West Pacific		1		Hawaii.
<i>Alpinia purpurata</i>	American Samoa, Guam, Hawaii	9	1		Hawaii.
Aquatic plant	Peru			1	Fla.
<i>Hedychium coccineum</i> (scarlet gingerlily)	Guatemala			1	Tex.
<i>Zingiber officinale</i> (ginger)	Hawaii	1			Calif.*
<i>Pentameris oregonensis</i> McG. (Tenuipalpidae):					
Bamboo	Japan	1			Hawaii.
<i>Citrus</i> sp. (tree)	do		1		Hawaii.
<i>Juniperus</i> sp. (leaf of plant)	do		1		Wash.
<i>Pentodon punctatus</i> (Villers) (Scarabaeidae):					
<i>Ailanthus altissima</i> (tree-of-heaven) seed	Italy			1	N.J.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Periphyllus aceris</i> (Koch) (Aphidae): <i>Acer pseudoplatanus</i> (European sycamore maple) leaf.	France	1			Mass.
<i>Perkinsiella saccharicida</i> Kirk. (Delphacidae): <i>Vanda 'Miss Joachim'</i> (orchid) flower	Hawaii	1			Hawaii.
<i>Pexicopia malvella</i> (Hbn.) (Gelechiidae): <i>Althaea rosea</i> (hollyhock) seed pod	Poland			1	N.Y.
<i>Phaeocatantops decoratus</i> (Gerst.) (Acrididae): Food (for bird)	Mozambique	1			N.Y.
<i>Phalonia zephyra</i> (Treit.) (Phaloniidae): <i>Daucus carota</i> var. <i>sativa</i> (carrot)	Italy		2		Pa.
<i>Phedole megacephala</i> (F.) (Formicidae): <i>Alpinia purpurata</i>	Hawaii	3			Hawaii.
<i>Ananas comosus</i> (pineapple)	British Honduras, Hawaii, Nigeria, Philippines, Puerto Rico	6			Fla., Hawaii, Mass., N.Y., P.R.
<i>Brassarola nodosa</i> (orchid) plant	British Honduras			1	Fla.
Clothing	Haiti	1			Fla.
<i>Cocos nucifera</i> (coconut)	Fiji	1			Calif.*
<i>Cucumis</i> sp. (leaf)	Dominican Republic	1			N.Y.
<i>Dendrobium</i> sp. (orchid) flower	Hawaii	1			Hawaii.
Flowers	do	1			Hawaii.
<i>Gladiolus</i> sp.	Japan		1		Hawaii.
Herb	Dominican Republic	1			N.Y.
<i>Ipomoea batatas</i> (sweetpotato)	do	1			N.Y.
<i>Izora</i> sp.	Fiji	1			Hawaii.
<i>Leptotes</i> sp. (orchid)	St. Martin			1	P.R.
<i>Mangifera indica</i> (mango)	Hawaii	1			Hawaii.
Orchid	Australia, British Honduras, Honduras, Madagascar.		9		Calif.* Fla., N.Y.
<i>Persea americana</i> (avocado)	Dominican Republic	1			N.Y.
<i>Plumeria</i> sp. (frangipani)	Hawaii		1		Calif.*
<i>Zingiber officinale</i> (ginger)	Canal Zone, Fiji	2			Fla., Hawaii.
<i>Phelomerus aberrans</i> (Sharp) (Bruchidae): <i>Cassia leptophylla</i> (seed)	Brazil			1	Fla.
Legume (dry pod)	Mexico	1			Tex.
<i>Tamarindus indica</i> (tamarind) pod	do	1			Ariz.
<i>Phelypera distigma</i> Boh. (Curculionidae): Orchid (plant)	do			1	Tex.
<i>Phera centralineata</i> (Sign.) (Cicadellidae): <i>Yucca</i> sp.	do			1	Tex.
<i>Phytocytinus callosus</i> Boh. (Curculionidae): <i>Vitis</i> sp. (grape)	Republic of South Africa	12	1		Mass., N.Y.
<i>Pholidoforus advena</i> Zimmerman (Curculionidae): Mail	Hawaii	1			Hawaii.
<i>Phytomyza rufipes</i> Meig. (Agromyzidae): <i>Brassica oleracea</i> var. <i>botrytis</i> (cauliflower)	Belgium, England, France, Germany.		4		N.Y., Pa., Tex.
<i>B. oleracea</i> var. <i>capitata</i> (cabbage)	England		1		Md.
<i>Cichorium endivia</i> (endive)	Belgium	1			N.Y.
<i>Raphanus sativus</i> (radish)	Denmark, unknown		6		N.Y.
<i>Pieris brassicae</i> (L.) (Pieridae): <i>Brassica oleracea</i> var. <i>capitata</i> (cabbage)	France, Italy		2		Mich., N.Y.
Military cargo (with conex box)	Azores, Morocco	2			La.
<i>Pinnaspis buri</i> (Bouché) (Coccidae): <i>Cordyline terminalis</i> (ti)	Hawaii	1			Hawaii.
<i>Plateocetis symmicta</i> Dyar (Psychidae): <i>Musa X paradisiaca</i> (banana)	Ecuador	1			La.
<i>Platynota rostrana</i> (Wlk.) (Tortricidae): <i>Capsicum annuum</i> (pepper)	Puerto Rico	1			P.R.
<i>Dianthus caryophyllus</i> (carnation) cut	Brazil		1		N.Y.
<i>Pleurotella obliqua</i> Seitzner (Cecidomyiidae): <i>Picea abies</i> (Norway spruce) seed	Denmark			1	N.J.
<i>P. glauca</i> (white spruce) seed	Austria, Denmark			3	N.J.
<i>Polydesma umbricola</i> Bsd. (Noctuidae): Airplane	Japan	1			Hawaii.
Mall (parcel)	Hawaii	1			Hawaii.
<i>Polytus mellerborgii</i> (Boh.) (Curculionidae): <i>Musa</i> sp. (banana) plant	do			1	Hawaii.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Porphyrobaphe iostoma</i> (Sowerby) (Bulimulidae): <i>Musa X paradisiaca</i> (banana)	Ecuador	2	—	—	Fla.
<i>Praticotella berlandieriana</i> (Moricand) (Polygyridae): <i>Aechmea</i> sp. (plant)	Mexico	—	—	1	Tex.
<i>Prays fulvocanellus</i> Wlsm. (Yponomeutidae): <i>Pelea anisata</i> (berry lei)	Hawaii	1	—	—	Hawaii.
<i>Prays oleellus</i> (F.) (Yponomeutidae): <i>Olea europaea</i> (olive)	Greece, Italy	3	—	—	N.Y.
<i>Premnomytes latithorax</i> (Pierce) (Curculionidae): <i>Solanum tuberosum</i> (potato)	Bolivia	1	—	—	Fla.
<i>Prepiella aurea</i> (Btlr.) (Arctiidae): <i>Musa X paradisiaca</i> (banana)	Ecuador	2	—	—	Fla.
<i>Prodecatoma philodendri</i> Ferr. (Eurytomidae): <i>Philodendron</i> sp. (seed)	Brazil	—	—	2	Fla.
<i>Prodenia litura</i> (F.) (Noctuidae): Airplane	Unknown	—	1	—	Hawaii.
<i>Beta vulgaris</i> (beet)	Israel	—	1	—	N.Y.
<i>Capicum annuum</i> (pepper)	do	—	1	—	N.Y.
Cargo	Philippines	1	—	—	Hawaii.
<i>Protopulvinaria pyriformis</i> (Ckll.) (Coccidae): <i>Gardenia jasminoides</i> (leaf)	El Salvador	1	—	—	Calif.*
<i>Pseudacysta perseae</i> (Heid.) (Tingidae): <i>Persea</i> sp. (leaf)	Mexico	1	—	—	Calif.
<i>Pseudoaonidia clariger</i> Ckll. (Coccidae): <i>Gardenia jasminoides</i> (cut flower)	Hawaii	2	—	—	Hawaii.
<i>Pseudischnaspis alienus</i> (Newst.) (Coccidae): Orchid (plant)	British Honduras	—	—	1	Fla.
<i>Pseudischnaspis boreyae</i> (Ckll.) (?) (Coccidae): Orchid (plant)	Mexico	—	—	1	Calif.*
<i>Pseudischnaspis longissima</i> (Ckll.) (Coccidae): <i>Mangifera indica</i> (mango)	Guatemala, Mexico	3	2	—	Calif.*
<i>Pseudococcus gahani</i> Green (Coccidae): <i>Cucurbita pepo</i> (pumpkin)	Brazil	1	—	—	Calif.*
<i>Musa</i> sp. (stem)	Hawaii	1	—	—	Calif.*
<i>Pseudococcus lilaicus</i> Ckll. (Coccidae): <i>Achras zapota</i> (sapodilla) stem	Philippines	—	1	—	Hawaii.
<i>Lansium domesticum</i> (langsat)	do	—	1	—	Hawaii.
<i>Quisqualis indica</i> (Rangoon creeper) fruit and stem	do	—	1	—	Hawaii.
<i>Pseudococcus neobrevipes</i> (Beardsley) (Coccidae): <i>Annona reticulata</i> (custard-apple)	do	—	1	—	Hawaii.
Cactus (flower)	Hawaii	—	—	1	Hawaii.
<i>Pseudococcus oceanicus</i> Tak. (Coccidae): <i>Cocos nucifera</i> (coconut)	do	—	3	—	Hawaii.
<i>Pseudococcus palmarum</i> (Ehrh.) (Coccidae): <i>Cocos nucifera</i> (coconut) cap and leaf	do	—	2	—	Calif.*
<i>Pseudopachymerus lallemandi</i> (Mars.) (Bruchidae): Acacia sp. (seed)	Italy	—	1	—	N.Y.
<i>Pseudopeltalaria serrulata</i> Towns. & Ckll. (Coccidae): Orchid	Ecuador, Guatemala	—	—	4	Calif.*
<i>Pseudothrips glaucus</i> Bagnall (Thripidae): <i>Prtea</i> sp.	Republic of South Africa	1	—	—	N.Y.
<i>Pulvinaria psidii</i> Mask. (Coccidae): <i>Alpinia purpurata</i> (cut flower)	Hawaii, Tahiti	28	—	—	Hawaii.
<i>Gardenia jasminoides</i> (cut flower)	Hawaii	46	1	—	Hawaii.
<i>Zingiber officinale</i> (ginger) cut flower	do	1	—	—	Calif.*
<i>Pyropotia pryeri</i> (Jans.) (Scarabaeidae): Clothing	Unknown	—	1	—	Alaska.
<i>Reticulitermes flavipes</i> (Koll.) (Rhinotermitidae): Clothing	Mexico	—	1	—	Tex.
<i>Dionaea purpusii</i> (Purpus dionaea)	do	—	—	1	Tex.
<i>Saccharum officinarum</i> (sugarcane)	do	—	1	—	Tex.
<i>Reticulitermes tibialis</i> Banks (Rhinotermitidae): <i>Tillandsia usneoides</i> (treebeard)	do	—	1	—	Calif.
<i>Retinella hammonis</i> (Ström) (Zonitidae): Soil	Ireland	1	—	—	Mass.
Soil with <i>Betula</i> sp. (birch)	Italy	—	—	1	N.Y.
Soil with potted plants	Germany	—	—	1	N.J.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Rhagoletis alternata</i> (Fall.) (?) (Tephritidae): <i>Rosa</i> sp.	Czechoslovakia	1	—	—	N.Y.
<i>Rhagoletis cerasi</i> (L.) (Tephritidae): <i>Prunus avium</i> (Mazzard cherry)	Germany, unknown	1	1	—	Fla., Ill., N.Y.
<i>P. cerasus</i> (sour cherry)	Europe (country(?)), Germany	36	55	—	—
<i>Prunus</i> sp. (cherry)	Azores, Europe (country(?)), France, Germany, Israel, Italy, Poland, Portugal, Spain, unknown	53	40	—	Calif., * Ill., Mass., Mich., N.J., N.Y., Pa., P.R.
<i>Rhagoletis cerasi</i> (L.) (?) (Tephritidae): <i>Prunus</i> sp. (cherry)	Turkey	—	1	—	N.Y.
<i>Rhinostomus barbirostris</i> (F.) (Curculionidae): <i>Chamaedorea</i> sp. (palm) leaf	Mexico	1	—	—	Tex.
<i>Phopalosiphoninus tulipaellus</i> (Theob.) (Aphidae): <i>Gladiolus</i> sp. (corm)	Italy	—	—	1	Mich.
<i>Phopalosiphum rufiabdominalis</i> (Sasaki) (?) (Aphidae): <i>Phododendron</i> sp. (azalea)	Japan	—	—	1	Hawaii.
<i>Rhynchophorus palmarum</i> (L.) (Curculionidae): <i>Cocos nucifera</i> (coconut) tree	Mexico	—	1	—	Tex.
Quarters	Unknown	—	1	—	Fla.
<i>Pumina decollata</i> (L.) (Achatinidae): Military cargo	Morocco	1	—	—	N.Y.
<i>Scantius forsteri</i> (F.) (Pyrrhocoridae): <i>Vitis</i> sp. (grape)	Rep'lic of South Africa	1	1	—	N.Y.
<i>Schneidereria pistaciella</i> Weber (Gelechiidae): <i>Pistacia</i> sp. (pistache) green nut	Greece, Italy	2	—	—	N.Y.
<i>Selenothrips rubrocinctus</i> (Giard) (Thripidae): <i>Coccoloba</i> sp. (sea grape) leaf	Peru	—	1	—	N.Y.
<i>Cocos nucifera</i> (coconut) plant	Palmyra Island	—	1	—	Hawaii.
<i>Codiaeum variegatum</i> (variegated croton)	Hawaii	1	—	—	Hawaii.
<i>Senius probus</i> (Shp.) (?) (Bruchidae): <i>Cassia occidentalis</i> (coffee senna)	Jamaica	—	—	1	D.C.
<i>Sesamia cretica</i> Led. (Noctuidae): <i>Sorghum vulgare</i> var. <i>technicum</i> (broomcorn)	Greece, Italy, Spain	3	2	—	Md., N.Y., Ohio.
<i>Zea mays</i> (corn) ear and husk	Italy, unknown	2	—	1	N.Y.
<i>Sesamia nonagrioides</i> (Lef.) (Noctuidae): Baggage (with <i>Castanea</i> sp. (chestnut))	Portugal, Spain	2	—	—	N.Y., P.R.
<i>Sinocylzon analis</i> Lesne (Bostrichidae): Cargo	India	—	1	—	Ala.
<i>Swietenia mahagoni</i> (mahogany) dowell	Unknown	—	1	—	Ia.
Wood (crate)	India, Pakistan	3	—	—	Ia., N.Y.
<i>Sinocylzon conigerum</i> Gerst. (Bostrichidae): <i>Anthurium</i> sp.	Hawaii	1	—	—	Hawaii.
Baggage	do	1	—	—	Hawaii.
<i>Santanaea</i> sp. (umber)	do	1	—	—	Hawaii.
Wood (crate)	Ceylon, India, Zanzibar	3	—	—	Calif., * Md., N.Y.
<i>Siphanta acuta</i> (Wlk.) (Flatidae): Flowers	Hawaii	2	—	—	Hawaii.
<i>Sisamnes contractus</i> Dist. (Lygaeidae): Bromeliad	Mexico	—	—	1	Tex.
<i>Sitona cylindricollis</i> Fahr. (Curculionidae): Stores	Unknown	—	1	—	Mich.
<i>Sitona hispidula</i> (F.) (Curculionidae): Drnnage	—	3	—	—	Wis.
Nursery stock	Netherlands	—	1	—	N.J.
Quarters	Unknown	—	1	—	Mich.
<i>Scabiosa graminifolia</i> (grassleaf scabious)	England	—	1	—	Ill.
<i>Sitona humeralis</i> Steph. (Curculionidae): <i>Apium graveolens</i> var. <i>dulce</i> (celery)	Italy	—	1	—	N.Y.
<i>Sitona lineata</i> (L.) (Curculionidae): <i>Ampelopsis</i> sp. (plant)	Netherlands	—	—	1	N.J.
<i>Dianthus caryophyllus</i> (carnation)	do	1	—	—	N.Y.
Flour	Canada	—	1	—	Ohio.
<i>Freesia</i> sp. (cut flower)	Netherlands	1	—	—	N.Y.
Nursery stock	do	—	—	13	N.J.
<i>Rhododendron</i> sp.	do	—	—	1	N.J.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Sogata orizicola</i> Muir (Delphacidae): Airplane	Nicaragua	3	—	—	P.R.
<i>Solaropsis monile</i> (Broderip) (Camaenidae): <i>Musa</i> \times <i>paradisiaca</i> (banana)	Ecuador	2	—	—	Fla., La.
<i>Spanioneura fonscolombei</i> Foerst. (Psyllidae): Flowers	England	—	2	—	Wash.
<i>Spanogonicus albofasciatus</i> (Reuter) (Miridae): <i>Medicago sativa</i> (alfalfa)	Mexico	1	—	—	Tex.
<i>Sphenarches caffer</i> (Zell.) (Pterophoridae): <i>Cajanus cajan</i> (pigeonpea)	Dominican Republic, Puerto Rico	3	—	—	N.Y., P.R.
<i>Dolichos lablab</i> (hyacinth bean) Airplane	Trinidad	1	—	—	N.Y.
<i>Sphingonotus rubescens</i> (Walk.) (Acridiidae): Airplane	Morocco	—	1	—	Fla.
<i>Spodoptera mauritia acronyctoides</i> (Guen.) (Noctuidae): Airplane	China, Guam, Oki-nawa(?), West Pacific, unknown.	—	6	—	Hawaii.
<i>Spodoptera pecten</i> Guen. (Noctuidae): Airplane	Japan, unknown	—	6	—	Hawaii.
<i>Stator limbatus</i> (Horn) (Bruchidae): Airplane	Hawaii	—	1	—	Hawaii.
<i>Enterolobium</i> sp. (earpod tree) pod	do	1	—	—	Hawaii.
<i>Leucaena leucocephala</i> (white popinac leadtree) seed	do	—	1	—	Hawaii.
<i>Pithecellobium dulce</i> (guamachil apes-earring) <i>Pithecellobium</i> sp. (seed)	Mexico	1	—	—	Ariz.
Plant material (dry)	Hawaii	—	1	—	Calif.*
<i>Samanea saman</i> (raintree saman)	do	—	2	—	Hawaii.
<i>Stator pruininus</i> (Horn) (Bruchidae): Seed—Unidentified	do	—	1	—	Hawaii.
<i>Stenotarsus nemus laticeps</i> (Halb.) (Taronemidae): <i>Narcissus</i> sp. (bulb)	England, Ireland	—	141	—	N.J.
<i>Stenoma catenifer</i> Wlsm. (Stenomidae): <i>Persea americana</i> (avocado)	British Honduras, Colombia, Costa Rica, Ecuador, El Salvador, Guate-mala, Honduras, Mexico, Nicaragua, Panama, Peru, un-known, Venezuela.	38	4	2	Ala., Calif.,* Fla., La., N.Y., S.C., Tex.
<i>P. americana</i> var. <i>drymifolia</i> (Mexican avo-cado)	Mexico	—	1	—	Tex.
<i>Stenopilia stigmatodactyla</i> Zell. (Pterophoridae): <i>Gentiana</i> sp. (gentian) cut flower	Switzerland	—	2	—	N.Y.
<i>Stephanoderes hampei</i> (Ferr.) (Scolytidae): <i>Coffea arabica</i> (Arabian coffee) berry	Brazil	1	—	1	N.Y.
<i>Coffea</i> sp.	Formosa, Republic of South Africa, un-known	4	—	—	Hawaii, Mich., N.J., Va.
<i>Sternochetus mangiferae</i> (F.) (Curelioniidae): <i>Mangifera indica</i> (mango)	Hawaii, India	55	1	5	Calif.,* Hawaii, N.Y.
<i>Sterrhia inquinata</i> (Scop.) (Geometridae): <i>Opuntia humifusa</i> (pricklypear) flower	Italy	—	1	—	N.Y.
<i>Subulina octona</i> (Brug.) (Achatinidae): <i>Mirabilis jalapa</i> 'Marvel-of-Peru' (four-o'clock) seed	Netherlands	—	—	1	Pa.†
Orchid (plant)	Peru	—	—	1	Fla.
<i>Suidasia medanensis</i> Oud. (Acaridae): <i>Gossypium</i> sp. (cottonseed)	India	—	—	1	N.Y.
<i>Pluchea odorata</i>	Philippines	—	1	—	Hawaii.
<i>Sybra alternans</i> (Wied.) (Cerambycidae): <i>Anthurium</i> sp. (cut flower)	Hawaii	—	1	—	Hawaii.
Baggage	do	—	1	—	Hawaii.
<i>Lycopodium cernuum</i> (staghorn clubmoss)	do	—	1	—	Hawaii.
<i>Plumeria rubra</i> (Mexican frangipani)	do	—	—	1	Hawaii.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Sylepta balteata</i> (F.) (Pyraustidae): Airplane	Unknown		1		Hawaii.
<i>Syngamia florella</i> (Cram.) (Pyraustidae): Airplane	Cuba		1		Fla.
<i>Syntomis cyssa</i> (Cr.) (Ctenuchidae): Debris	India		1		Va.
<i>Taeniothrips australis</i> (Hal.) (Thripidae): <i>Anemone</i> sp. (cut flower)	England	1			N.Y.
<i>Aster</i> sp. (cut flower)	Europe (country(?)), Germany	1	1		N.Y.
<i>Bellis</i> sp. (daisy) cut flower	Sweden(?)		1		N.Y.
<i>Calluna vulgaris</i> (heather) cut stems	England, Germany, Ireland, Norway, Scotland	7			N.Y.
<i>Centaurea cyanus</i> (cornflower)	Belgium, England	2			Ill., N.Y.
<i>Chrysanthemum</i> sp. (cut flower)	England, Scotland	1	1		N.Y.
<i>Crocus</i> sp. (cut flower)	England	1			N.Y.
<i>Dahlia</i> sp. (cut flower)	Ireland, Netherlands, unknown	2	1		N.Y.
<i>Dianthus barbatus</i> (sweetwilliam)	England	2			Mass., N.Y.
<i>D. caryophyllus</i> (carnation)	Denmark, England, Europe (country (?)), Germany, Hungary, Ireland, Netherlands, Poland, Scotland, unknown, Yugo- slavia	29	10		Ill., Mass., N.J., N.Y., Pa., Wash.
Flowers	Denmark, England, Germany, Nether- lands, unknown	3	6		Calif.,* N.J., N.Y., Wash.
<i>Gladiolus</i> sp. (cut flower)	Ireland	1			N.Y.
<i>Lathyrus odoratus</i> (sweetpea) cut flower	Germany, Norway, unknown	2	3		N.Y.
<i>Lupinus</i> sp. (lupine) cut flower	Unknown		1		N.Y.
Nursery stock	Netherlands			4	N.J.
<i>Ornithogalum</i> sp.	do		1		N.Y.
<i>Phlox</i> sp. (cut flower)	England		1		N.Y.
<i>Rosa</i> sp. (cut flower)	Czechoslovakia, Denmark, England, Germany, Ireland, Poland, Sweden, unknown	12	3		Ill., N.Y.
Soil with unidentified plants	Brazil			1	N.Y.
<i>Taeniothrips dianthi</i> Priesner (Thripidae): <i>Dianthus caryophyllus</i> (carnation) cut	Belgium, Europe (country(?)), Ger- many, Hungary, Poland	5	4		Ill., N.Y.
<i>Taeniothrips discolor</i> (Karny) (Thripidae): <i>Gerbera</i> sp. (cut flower)	Israel	1			Ill.
<i>Taeniothrips ericae</i> (Hal.) (Thripidae): <i>Calluna vulgaris</i> (heather) cut stem and plant	England, Germany, Ireland, Norway, Poland, Scotland	16	2		Ill., N.Y., Pa.
<i>Rosa</i> sp. (cut flower)	Hungary	1			N.Y.
<i>Solanum tuberosum</i> (potato)	England	1			Hawaii.
<i>Taeniothrips eucharii</i> (Whezel) (Thripidae): <i>Lycoris albiflora</i> (bulb)	Japan			1	N.Y.
<i>L. aurea</i> (golden lycoris) bulb	do			3	N.Y.
<i>L. radiata</i> (shorttuber lycoris) bulb	do			4	N.Y.
<i>L. sanguinea</i> (orange lycoris) bulb	do			1	N.Y.
<i>L. squamigera</i> (autumn lycoris) bulb	do			4	N.Y.
<i>Lycoris</i> sp. (bulb)	do			6	Calif.,* N.J., N.Y., N.C.
<i>Narcissus</i> sp. (bulb)	do			1	N.Y.
<i>Taeniothrips hawaiiensis</i> (Morg.) (Thripidae): <i>Canavalia</i> sp. (mauna loa) lei	Hawaii	1			Calif.,*
<i>Gardenia jasminoides</i>	do	10			Hawaii.
<i>Vanda</i> 'Miss Joachim' (orchid) flower	do	1			Hawaii.
<i>Taeniothrips pictipes</i> (Zett.) (Thripidae): <i>Dianthus caryophyllus</i> (carnation) cut	Spain	1			N.Y.
<i>Prosopis nigra</i> (cut flower)	Argentina	1			N.Y.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Talponia batesi</i> Hein. (Olethreutidae):					
<i>Annona cherimola</i> (cherimoya)	Mexico	6	1	1	Tex.
<i>A. muricata</i> (soursop)	Dominican Republic	—	1	—	Pa.
<i>Annona</i> sp. (seed)	Mexico	2	—	—	Tex.
“ <i>Tartaginia</i> ” <i>hartii</i> (Ckll.) (Coccidae):					
<i>Dioscorea alata</i> (winged yam) root	Ghana	—	—	1	D.C.
<i>Zingiber officinale</i> (ginger)	Fiji, Japan	10	—	—	Calif., * Hawaii.
<i>Teleogryllus mitratus</i> (Burm.) (Gryllidae):					
Airplane	Japan	—	1	—	Hawaii.
Mail (sack)	do	—	1	—	Hawaii.
<i>Teleonemia protixa</i> Stal (Tingidae):					
<i>Chrysanthemum</i> sp. (cut flower)	Mexico	1	—	—	Ariz.
<i>Tenthreocoris extiosus</i> (Dist.) (Miridae):					
Orchid (plant)	Brazil	—	—	1	Fla.
<i>Tephritis conura</i> Loew (Tephritidae):					
<i>Cirsium</i> sp. (thistle) flower head	Sweden	—	—	1	Va.
<i>Tetranychus cinnabarinus</i> (Bois.) (Tetranychidae):					
<i>Dianthus caryophyllus</i> (carnation) cut	Mexico	1	—	—	Tex.
<i>Fragaria</i> sp. (strawberry) plant	do	—	—	1	Calif.
<i>Tetranychus viennensis</i> Zacher (Tetranychidae):					
<i>Malus sylvestris</i> (apple)	Hungary, Japan	2	—	—	Hawaii, Tex.
<i>Theba pisana</i> (Müller) (Helicidae):					
Airplane	Spain	—	1	—	Fla.
<i>Allium porrum</i> (leek)	Portugal	—	1	—	N.Y.
Automobile	France, Libya	3	—	—	Ohio, S.C.
<i>Citrus sinensis</i> (sweet orange)	Morocco	1	—	—	Va.
Crate	Portugal, Spain	2	—	—	Calif., * Del.
Flowers	France	1	—	—	Ill.
<i>Lactuca sativa</i> (lettuce)	France, Italy, Morocco	—	4	—	N.Y.
<i>Lilium candidum</i> (Madonna lily)	Unknown	1	—	—	N.Y.
Military cargo	Azores, Crete, Italy, Libya, Morocco, Spain, unknown	39	—	—	La., Mass., N.Y., N.C., S.C., Va.
<i>Mirabilis jalapa</i> (four-o'clock) seed	France, Netherlands	—	2	—	Pa.
Plant material (dry)	France	1	—	—	Calif.*
<i>Protea</i> sp. (cut flower)	Republic of South Africa	1	—	—	N.Y.
<i>Quercus suber</i> (cork oak)	Spain	1	—	—	Ill.
Stores	do	—	1	—	S.C.
<i>Thrips angusticeps</i> Uzel (Thripidae):					
<i>Chrysanthemum</i> sp. (cut flower)	England	—	1	—	N.Y.
<i>Citrus</i> sp. (plant)	Italy	—	—	1	N.Y.
<i>Cynara scolymus</i> (artichoke)	do	—	1	—	N.Y.
Flowers	Greece	—	1	—	N.Y.
<i>Lactuca sativa</i> (lettuce)	England, Europe (country(?)), France, Italy, unknown	—	9	—	Mass., N.Y.
<i>Matthiola</i> sp. (stock) cut flower	Greece	1	—	—	N.Y.
<i>Rosmarinus officinalis</i> (rosemary)	Italy	—	—	1	Mass.
Soil with plants	do	—	—	2	Mass.
<i>Thrips flavus</i> Schrank (Thripidae):					
<i>Anemone</i> sp. (cut flower)	France	1	—	—	N.Y.
<i>Antirrhinum majus</i> (snapdragon) cut	England, Ireland	2	—	—	N.Y.
<i>Aster</i> sp. (cut flower)	Germany	1	—	—	N.Y.
<i>Calluna vulgaris</i> (heather)	Germany, Iceland, Ireland, Norway, Scotland	5	1	1	N.Y.
<i>Chrysanthemum</i> sp. (cut flower)	England, Scotland, unknown	3	7	—	N.Y.
<i>Convallaria majalis</i> (lily-of-the-valley) cut flower	England	1	—	—	N.Y.
<i>Cynara scolymus</i> (artichoke)	do	—	1	—	N.Y.
<i>Dahlia</i> sp. (cut flower)	England, Scotland, unknown	2	1	—	N.Y.
<i>Dianthus barbatus</i> (sweetwilliam) cut	Switzerland	—	1	—	N.Y.
<i>D. caryophyllus</i> (carnation)	Europe (country(?)), Ireland, Poland	3	1	—	N.Y.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonuti-ty	Produc-tion	
<i>Thrips flavus</i> Schrank—Continued					
Flowers.....	Denmark, England, Germany, un-known.	1	10		Calif., * N.J., Pa., Wash.
<i>Fragaria</i> sp. (strawberry) plant.....	Switzerland.....			1	N.Y.
<i>Gladiolus</i> sp. (cut flower).....	England, Germany, Poland.	3			N.Y.
<i>Lathyrus odoratus</i> (sweetpea) cut.....	Scotland.....	1			N.Y.
<i>Lupinus</i> sp. (lupine) cut flower.....	Unknown.....		1		N.Y.
Nursery stock.....	Netherlands.....			3	N.J.
<i>Rosa</i> sp. (cut flower and plant).....	Czechoslovakia, Denmark, England, Finland, Germany, Ireland, Israel, Poland, Switzerland, unknown.	18	3	1	III., Mass., N.Y.
<i>Zinnia</i> sp. (cut flower).....	England.....		1		Pa.
<i>Thrips imaginis</i> Bagnall (Thripidae):					
<i>Hyacinthus</i> sp. (cut flower).....	Australia.....		1		Hawaii.
<i>Rosa</i> sp. (cut flower).....	do.....	1			Hawaii.
<i>Thrips major</i> Uzel (Thripidae):					
<i>Bellis</i> sp. (daisy) cut flower.....	Iceland.....		1		N.Y.
<i>Catunia vulgaris</i> (heather).....	Germany.....	2			N.Y., Wash.
<i>Dianthus caryophyllus</i> (carnation).....	Finland, Germany, Greece, Sweden.	3	1		III., N.Y.
Flowers.....	England, Ireland.....	1	2		N.Y., Wash.
<i>Gentiana</i> sp. (gentian) cut flower.....	Denmark.....	1			N.Y.
<i>Rosa</i> sp.	Denmark, England, Finland, Germany, Ireland, Israel, unknown.	12	3		III., N.Y., Wash.
<i>Thrips nigropilosus</i> Uzel (Thripidae):					
<i>Chrysanthemum</i> sp. (cut flower).....	Japan.....	1			Hawaii.
<i>Thrips pallidus</i> Priesner (Thripidae):					
<i>Chrysanthemum</i> sp. (cut flower).....	England, unknown.....		3		N.Y.
<i>Dahlia</i> sp. (cut flower).....	England.....	1			N.Y.
Flowers.....	England, unknown.....	1	7		Pa., Wash.
<i>Petroselinum crispum</i> (parsley).....	England.....		1		Wash.
<i>Tipula paludosa</i> Mg. (Tipulidae):					
<i>Arabis</i> sp. (rockcress) plant.....	do.....			1	N.Y.
<i>Tipula scripta</i> Mg. (Tipulidae):					
Airplane.....	Germany.....		1		N.J.
<i>Tortrix excessana</i> (Wlk.) (Tortricidae):					
<i>Matus sylvestris</i> (apple).....	New Zealand.....	1			Hawaii.
<i>Treherneilla tibouchiniae</i> (Moulton) (Phlaeothripidae):					
<i>Schizolobium parahybum</i> (seed).....	Brazil.....			1	D.C.
<i>Trialeturodes similis</i> Rsl. (Aleyrodidae):	Mexico.....	3			Calif., Tex.
<i>Citrus</i> sp. (leaf).....	do.....	1			Tex.
<i>Trialeturodes vitrinellus</i> Ckll. (Aleyrodidae):	Ireland.....	1			Mass.
<i>Citrus</i> sp. (leaf).....	Netherlands.....			1	N.Y.
<i>Trichia hispida</i> (L.) (Helicellidae):	Mexico.....			1	Tex.
Soil.....	Sudan.....	59			N.Y.
<i>Trigonophora meticulosa</i> (L.) (Noctuidae):	do.....	1			N.Y.
Packing material (with <i>Aconitum</i> sp.).....	India.....	2			N.Y.
<i>Trochuda rasa</i> (Druce) (?) (Diptidae):	Iran.....	2			N.Y.
Orchid (plant).....	Ceylon, Germany, India, Netherlands, Pakistan, Sudan.	26	1		Ga., Ill., Md., N.Y., N.C., Pa., S.C., Tex.
<i>Trogoderma granarium</i> Everts (Dermestidae):					
<i>Acacia senegal</i> (gum arabic).....	India.....		1		Minn.
<i>Acacia</i> sp. (talha gum).....	Unknown.....	1			Md.
<i>Apium graveolens</i> var. <i>duce</i> (celery) seed.....	India, Kenya, un-known.		4		N.C., Pa., Tex.
<i>Astragalus gummifer</i> (gum tragacanth).....					
Bagging (including new burlap, used burlap and jute bagging, and wrappers on bales of raw cotton, bales of rubber, black pepper, celery seed, coir yarn, cotton waste, guar gum, gum arabic, gum tragacanth, mangrove bark, monkey food, myrobalan, rice, and tamarind seed powder).					
Ballast.....					
<i>Caesalpinia coriaria</i> (divi-divi) pod.....					
<i>Cajanus cajan</i> (pigeonpea).....					

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consumption	Nonentry	Propagation	
<i>Trogoderma granarium</i> Everts—Continued					
Cargo (in hold of ship and with cotton cloth, crates of glass, and wall board).	France, Germany, India, Iran, Pakistan, unknown.	9	22	—	Ill., Md., Mich., N.C., Ohio, Pa., S.C., Tex.
<i>Cicer arietinum</i> (chickpea)	India	1	—	—	N.Y.
<i>Cinnamomum</i> sp. (cinnamon)	Seychelles	1	—	—	N.Y.
<i>Coriandrum sativum</i> (coriander) seed	India	—	1	—	Hawaii.
<i>Cuminum cyminum</i> (cumin) seed	Iran, Lebanon	3	—	—	N.Y.
<i>Cyamopsis tetragonoloba</i> (guar gum)	India, Pakistan, Sudan	13	—	—	N.Y., N.C., S.C.
Debris	Formosa, India, Korea, unknown.	—	8	—	Calif.,* Ga., La., Md., Pa.
<i>Foeniculum vulgare</i> (fennel) seed	India	2	—	—	N.Y., Pa.
<i>Glycine max</i> (soybean)	Formosa, unknown	—	2	—	Wash.
Grain	India, unknown	—	2	—	Mich., N.Y.
Gum zedou	Iran	2	—	—	N.Y.
<i>Myristica fragrans</i> (nutmeg)	Ceylon	1	—	—	N.Y.
<i>Oryza sativa</i> (rice)	Federation of Malaysia, Hong Kong, India, Iran, Japan, Pakistan, Thailand, unknown.	2	16	—	Ala., Calif.,* La., N.Y., N.C., S.C., Wash.
<i>Phaseolus aureus</i> (mung bean)	Formosa	—	1	—	Hawaii.
<i>P. vulgaris</i> cv. (string bean)	Netherlands	—	1	—	Tex.
<i>Pistacia vera</i> (common pistache) nut	India	—	1	—	Tex.
<i>Pisum sativum</i> (pea)	France, India, Netherlands	—	3	—	Md., Tex.
<i>Plantago ovata</i> (psyllium) husk and seed	India	3	—	—	N.Y., Pa.
<i>Pyrus</i> sp. (seed)	Kuwait	1	—	—	N.Y.
Quarters (of ship)	Unknown	—	1	—	S.C.
<i>Sterculia urens</i> (gum karaya)	India	11	—	—	N.Y., Pa., Va.
Stores (on storeroom floor and shelves and in chickpea, coriander, pea, pigeonpea, rice, and sugar).	England, Germany, Hong Kong, India, Japan, Pakistan, unknown.	—	15	—	Ga., Hawaii, Md., N.C., Pa., S.C., Tex., Wash.
<i>Tamarindus indica</i> (tamarind) seed powder	India	3	—	—	Ga., Va.
<i>Terminalia</i> sp. (myrobalan)	do	2	—	—	N.Y., S.C.
<i>Vicia faba</i> (broadbean)	Unknown	—	1	—	Ill.
<i>Trogoyzon aequale</i> (Woll.) (Lyctidae):					
Automobile	Mexico	1	—	—	Calif.
<i>Rhynchosia pyramidalis</i> ("pego palo")	Haiti	1	—	—	Fla.
Wood (hardwood art carving)	American Virgin Islands	1	—	—	N.Y.
<i>Trogoyzon prostomoides</i> (Gorh.) (Lyctidae):					
Bamboo (basket)	Mexico	1	—	—	Calif.
Wood (mask)	do	1	—	—	Calif.
<i>Tylotropidius gracilipes</i> Brancsik (Arididae):					
Food (for bird)	Mozambique	1	—	—	N.Y.
<i>Udea ferrugalis</i> (Hbn.) (Pyraustidae):					
<i>Apium graveolens</i> var. <i>dulce</i> (celery)	Italy	2	—	—	N.Y.
<i>Brassica oleracea</i> var. <i>capitata</i>	do	2	—	—	N.Y.
<i>Lactuca sativa</i> (lettuce)	France, Italy	2	—	—	N.Y.
<i>Lycopersicon esculentum</i> (tomato)	Italy	1	—	—	N.Y.
<i>Mentha</i> sp. (mint) leaf	Portugal	1	—	—	N.Y.
<i>Petroselinum crispum</i> (parsley)	Greece	1	—	—	N.Y.
<i>Ulopa horana</i> Lallemand (Cicadellidae):					
Orchid (plant)	Madagascar	—	—	1	N.Y.
<i>Ulopa reticulata</i> (F.) (Cicadellidae):					
<i>Calluna vulgaris</i> (heather)	Denmark, Germany	2	—	—	N.Y.
<i>Unaspis citri</i> (Comst.) (Coccidae):					
<i>Citrus aurantifolia</i> (lime)	Guatemala, Nicaragua, Panama	1	2	—	Calif.*
<i>C. limon</i> (lemon)	Brazil, Guatemala, Mexico	2	2	—	Calif.*
<i>C. paradisi</i> (grapefruit)	Panama	—	2	—	Calif.*
<i>C. reticulata</i> (Mandarin orange)	Brazil, Ecuador	—	2	—	Calif.*
<i>C. sinensis</i> (sweet orange)	Brazil, Japan, Mexico	2	5	—	Calif.*

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Unaspis yanonensis</i> (Kuw.) (Coccidae): <i>Citrus aurantifolia</i> (lime)	Japan		2		Hawaii, Wash.
<i>C. aurantium</i> (sour orange)	do		12		Calif., Hawaii, Wash.
<i>C. ichangensis</i> × <i>C. reticulata</i> var. <i>australis</i> ("yuzu").	do		1		Calif.
<i>C. limon</i> (lemon)	Japan, unknown		18		Calif., Hawaii, N.Y., Oreg.
<i>C. paradisi</i> (grapefruit)	Japan	3	14		Calif., Hawaii, N.Y., Oreg.
<i>C. paradisi</i> × <i>C. reticulata</i> (tangelo)	do		7		Hawaii.
<i>C. reticulata</i> (Mandarin orange)	Australia, China, Hong Kong, Japan, unknown	48	168		Calif., Hawaii, N.Y., Oreg.
<i>C. reticulata</i> cv	Hong Kong, Japan	5	7		Hawaii.
<i>C. sinensis</i> (sweet orange)	Australia, China, Fiji, Japan, Philippines	11	111		Calif., Hawaii, N.Y., Oreg., Wash.
<i>Citrus</i> sp.	Japan	2	16		Calif., Hawaii.
<i>Fortunella japonica</i> (Marumi kumquat)	do		2		Hawaii.
<i>Utehesia pulchella</i> (L.) (Arctiidae): Airplane	West Pacific		1		Hawaii.
<i>Vilga dissimilis</i> Dist. (Coreidae): Orchid (plant)	Canal Zone			1	Fla.
<i>Vinsonia stellifera</i> (Westw.) (Coccidae): <i>Annona muricata</i> (soursop) leaf	Dominican Republic	2			Fla.
<i>Anthurium</i> sp. (leaf)	Trinidad			1	Fla.
<i>Aspasia epidendroides</i> (orchid) leaf	Canal Zone			1	Fla.
<i>Brassia caudata</i> (orchid)	Panama			1	Fla.
<i>Brassia</i> sp. (leaf)	Canal Zone, Panama			2	Fla.
<i>Bromeliad</i> (leaf)	Jamaica			1	Fla.
<i>Broughtonia</i> sp. (orchid) leaf	Haiti, Jamaica			10	Fla.
<i>Cattleya</i> sp. (orchid) leaf	Trinidad			1	N.J.
<i>Epidendrum fragrans</i> (orchid) leaf	Canal Zone			1	Fla.
<i>Epidendrum</i> sp. (leaf)	Antigua, Dominica, unknown			4	Fla.
<i>Eugenia jambos</i> (rose-apple) leaf	Jamaica	1			Fla.
Leaf—unidentified	Dominican Republic	1			Fla.
<i>Lycaste</i> sp. (orchid) leaf	Canal Zone			1	Fla.
<i>Maxillaria</i> sp. (orchid) leaf	Panama			1	Fla.
<i>Notylia barkeri</i> (orchid) leaf	do			1	Fla.
<i>Oncidium</i> sp. (orchid) leaf	British Honduras, French Guiana, Jamaica, Trinidad			5	Fla.
Orchid (leaf)	Antigua, Bahamas, British Honduras, Canal Zone, El Salvador, Guate-mala, Haiti, Jamaica, Panama, Puerto Rico, Trini-tad, unknown			41	Calif., Fla.
Palm (leaf)	Puerto Rico	1			Fla.
<i>Stanhopea</i> sp. (orchid) leaf	Canal Zone			2	Fla.
<i>Xanthochreina bicolor</i> (Lec.) (Oedemeridae): Debris	Mexico	1			Tex.
<i>Xiphidiopsis lita</i> Heb. (Tettigoniidae):	Hawaii			1	Hawaii.
<i>Operculina tuberosa</i> (wood-rose)	do			1	Hawaii.
<i>Vanda</i> 'Miss Joachim' (orchid)	Republic of the Congo			3	Md.
<i>Xyloperthella crinitarsis</i> (Imh.) (Bostrichidae): Wood (packing board)					

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump- tion	Nonentry	Propaga- tion	
<i>Xyloperthella picea</i> (Oliv.)(Bostrichidae): Wood (packing board)-----	Angola, Republic of the Congo, West Africa.	3	-----	-----	Md.
<i>Xyloperthodes nitidipennis</i> (Murray)?(Bostrichidae): Wood (packing board)-----	West Africa-----	1	-----	-----	Md.
<i>Xylopsocus castanoptera</i> (Fairm.)(Bostrichidae): <i>Samanea saman</i> (raintree saman) log-----	Fiji-----	1	-----	-----	Hawaii.
<i>Xylothrips religiosus</i> (Boisd.)(Bostrichidae): <i>Anthurium</i> sp-----	Hawaii-----	1	-----	-----	Hawaii.
Wood (packing board)-----	Ceylon-----	1	-----	-----	Md.
<i>Zamagiria diziolophella</i> Dyr (Phycitidae): <i>Achras zapota</i> (sapodilla)-----	Honduras-----	-----	1	-----	Fla.
<i>Zeadiatrea lineolata</i> (Wlk.)(Crambidae): Airplane-----	Nicaragua-----	-----	1	-----	P.R.
<i>Saccharum officinarum</i> (sugarcane)-----	Bahamas-----	1	-----	-----	Fla.
<i>Zea mays</i> (corn)-----	Guatemala-----	1	-----	-----	Tex.

*(An asterisk indicates State inspection)

Hosts and Insects

ACACIA:

Acanthoscelides spinipes (Coleoptera)
Araecerus levipennis (Coleoptera)
Ectomyelois ceratoniae (Lepidoptera)
Exochomimera formosa (Hemiptera)
Pseudopachymerus lallemandi (Coleoptera)
Trogoderma granarium (Coleoptera)

ACER:

Periphyllus aceris (Homoptera)

ACHRAS:

Anastrepha octesia (Diptera)
Pseudococcus lilaicus (Homoptera)

Zamagiria dixolophella (Lepidoptera)

ADENANTHERA:

Caryedon gonagra (Coleoptera)

AECHMEA:

Pentalonia nigronervosa (Homoptera)
Praticolella berlandieriana (Mollusca)

AGAVE:

Batrachedra linearis (Lepidoptera)

Pachybrachis albocinctus (Hemiptera)

AILANTHUS:

Pentodon punctatus (Coleoptera)

ALEURITES:

Dacus dorsalis (?) (Diptera)

ALLIUM CEPA:

Aceria tulipae (Acarina)

Acrolepia assectella (Lepidoptera)

ALLIUM PORRUM:

Acrolepia assectella (Lepidoptera)

Cochlicella ventrosa (Mollusca)

Helicella virgata (Mollusca)

Theba pisana (Mollusca)

ALLIUM SATIVUM:

Brachycerus albidentatus (Coleoptera)

B. algirus (Coleoptera)

Cochlicella barbara (Mollusca)

Dyspessus utula (Lepidoptera)

ALPINIA:

Pectinophora malvella (Lepidoptera)

Pezicopia malvella (Lepidoptera)

AMPELOPSIS:

Sitona lineata (Coleoptera)

ANANAS:

Araecerus levipennis (Coleoptera)

Arphnus melanotylus (Hemiptera)

Dysdercus obliquus (Hemiptera)

Ethelema sobrina (Coleoptera)

Lityrocoris nitidicollis (Hemiptera)

Lygaeus pulchellus (Hemiptera)

Metamasius hemipterus sericeus (Coleoptera)

Pheidole megacephala (Hymenoptera)

ANEOME:

Taeniothrips atratus (Thysanoptera)

Thrips flavus (Thysanoptera)

ANNONA:

Bephrata maculicollis (Hymenoptera)

Cerconota anonella (Lepidoptera)

Pseudococcus neobrevipes (Homoptera)

Talponia batesi (Lepidoptera)

Vinsonia stellifera (Homoptera)

ANTHURIUM:

Bradybaena similaris (Mollusca)

Ceroplastes rubens (Homoptera)

Sinoclyton conigerum (Coleoptera)

Sybra alternans (Coleoptera)

Vinsonia stellifera (Homoptera)

Xylotriphs religiosus (Coleoptera)

ANTIRRHINUM:

Haplothrips gowdeyi (Thysanoptera)

Thrips flavus (Thysanoptera)

APIUM:

Euleia heraclei (Diptera)

Sitona humeralis (Coleoptera)

Trogoderma granarium (Coleoptera)

Udea ferrugalis (Lepidoptera)

ARABIS:

Lygus rugulipennis (Hemiptera)

Tipula paludosa (Diptera)

ARACHIS:

Caryedon gonagra (Coleoptera)

ARCTIUM:

Ostrinia nubilalis (Lepidoptera)

ARECA:

Aspidiottus palmae (Homoptera)

ASPASIA:

Vinsonia stellifera (Homoptera)

ASTER:

Frankliniella intonsa (Thysanoptera)

Taeniothrips atratus (Thysanoptera)

Thrips flavus (Thysanoptera)

ASTRAGALUS:

Bruchidius marginalis (Coleoptera)

Trogoderma granarium (Coleoptera)

AVERRHOA:

Dacus dorsalis (Diptera)

BAMBOO:

Asterolecanium bambusae (Homoptera)

Chlorophorus annularis (Coleoptera)

Eucalendra setulosa (Coleoptera)

Myocalandra elongata (Coleoptera)

Oxychilus alliarius (Mollusca)

Pentamerismus oregonensis (Acarina)

Trogoryzon prostomoides (Coleoptera)

BAMBUSA:

Asterolecanium bambusae (Homoptera)

BARRINGTONIA:

Ecтомyelois ceratoniae (Lepidoptera)

BELLIS:

Taeniothrips atratus (Thysanoptera)

Thrips major (Thysanoptera)

BETA:

Gnorimoschema ocellatella (Lepidoptera)

Mamestra brassicae (Lepidoptera)

Prodenia litura (Lepidoptera)

BETULA:

Aceria ruditis (Acarina)

Argyroploce lacunana (Lepidoptera)

BILBERRIA:

Aleuroplatus variegatus (Homoptera)

BIXA:

Acanthoscelides bixa (Coleoptera)

BLEETIA:

Nasutitermes chaquimayensis (Isoptera)

BRASSAVOLA:

Pheidole megacephala (Hymenoptera)

BRASSIA:

Vinsonia stellifera (Homoptera)

BRASSICA OLERACEA VAR. ACEPHALA:

Mamestra brassicae (Lepidoptera)

BRASSICA OLERACEA VAR. BOTRYTIS:

Arianta arbustorum (Mollusca)

Bibio hortulanus (Diptera)

Evergestis forficalis (Lepidoptera)

Helicella candidula (Mollusca)

Helix aspersa (Mollusca)

Mamestra brassicae (Lepidoptera)

Phytomyza rufipes (Diptera)

BRASSICA OLERACEA VAR. CAPITATA:

Cochlicella ventrosa (Mollusca)

Eupelix cuspidata (Homoptera)

Evergestis forficalis (Lepidoptera)

Helicella variabilis (Mollusca)

Mamestra brassicae (Lepidoptera)

Milax gagates (Mollusca)

Otala lactea (Mollusca)

Phytomyza rufipes (Diptera)

Pieris brassicae (Lepidoptera)

Udea ferrugalis (Lepidoptera)

BRASSICA RAPA:

Helula undalis (Lepidoptera)

BROMELIAD:

Anechura varia (Dermaptera)

Arphnus melanotylus (Hemiptera)

Chrysomphalus personatus (Homoptera)

Conotelus mexicanus (Coleoptera)

Cylindrocopturus tetralobus (?) (Coleoptera)

Drymaeus hegewischi (Mollusca)

Galupha punctifer (Hemiptera)

Iridomyrmex iniquus (Hymenoptera)

Limaz marginatus (Mollusca)

Lygaeus pulchellus (Hemiptera)

Melamias hemipterus hemipterus (Coleoptera)

Pallantia macula (Hemiptera)

Paracosmia tolteca (Dermaptera)

Sisamnes contractus (Hemiptera)

Hosts and Insects—Continued

BROMELIAD—Continued

Vinsonia stellifera (Homoptera)

BROUGHTONIA:

Vinsonia stellifera (Homoptera)

BUXUS:

Eriophyes canestrinii (Acarina)

CACTUS:

Ceratitis capitata (Diptera)*Cryphula apicata* (Hemiptera)*Lepidosaphes philococcus* (Homoptera)*Pseudococcus neobrripes* (Homoptera)

CAESALPINIA:

Trogodera granarium (Coleoptera)

CAJANUS:

Acanthoscelides armitagei (Coleoptera)*Ancylostomia stercoria* (Lepidoptera)*Caryedon gonagra* (Coleoptera)*Fundella pellucens* (Lepidoptera)*Maruca testulalis* (Lepidoptera)*Sphærarches caffer* (Lepidoptera)*Trogodera granarium* (Coleoptera)

CALLUNA:

Frankliniella intonsa (Thysanoptera)*Gelechia ericetella* (Lepidoptera)*Taeniothrips atratus* (Thysanoptera)*T. ericae* (Thysanoptera)*Thrips flavus* (Thysanoptera)*T. major* (Thysanoptera)*Ulopa reticulata* (Homoptera)

CALOCARPUM:

Anastrepha ludens (Diptera)

CALOPHYLLUM:

Ceratitis capitata (Diptera)*Dacus dorsalis* (Diptera)

CAMELLIA:

Amatissa consorta (Lepidoptera)

CANAVALIA:

Cryptophlebia illepida (Lepidoptera)*Lamپides boeticus* (Lepidoptera)*Maruca testulalis* (Lepidoptera)*Taeniothrips hawaiiensis* (Thysanoptera)

CAPSICUM:

Ceratitis capitata (Diptera)*Dacus cucurbitae* (Diptera)*D. dorsalis* (Diptera)*Forficula decipiens* (Dermaptera)*Frankliniella sulphurea* (Thysanoptera)*Gnorimoschema quidma nnella* (Lepidoptera)*Ostrinia nubilalis* (Lepidoptera)*Platynota rostrana* (Lepidoptera)*Prodenia litura* (Lepidoptera)

CARICA:

Ceratitis capitata (Diptera)*Dacus dorsalis* (Diptera)

CASSIA:

Aganaclessis indecora (Lepidoptera)*Caryedon gonagra* (Coleoptera)*Ectomyelois ceratoniae* (Lepidoptera)*Phelotomus aberrans* (Coleoptera)*Senpini probus* (?) (Coleoptera)

CASTANEA:

Bruchidius gibbosus (Coleoptera)*Curculio elephas* (Coleoptera)*Laspeyresia splendana* (Lepidoptera)

CATTELEYA:

Eurytoma orchidearum (Hymenoptera)*Vinsonia stellifera* (Homoptera)

CEDRUS:

Mimela squamigera (Coleoptera)

CELOSTIA:

Haplothrips gowdeyi (Thysanoptera)

CENTAUREA:

Taeniothrips atratus (Thysanoptera)

CERATONIA:

Ectomyelois ceratoniae (Lepidoptera)

CERATOZAMIA:

Melanaspis squamae (Homoptera)

CHAMAECYPARIS:

Brevipalpus obovatus (Acarina)

CHAMAEDOREA:

Aleuroplatus variegatus (Homoptera)*Asterolecanium epidendri* (Homoptera)*Calyptocerpha gerstaeckeri* (Coleoptera)*Crypsitoides basochesii replana* (Lepidoptera)*C. lebbae* (Lepidoptera)*Coelonertus nigrirostris* (Coleoptera)*Labia arcuata* (Dermaptera)*Parisoschoenus expositus* (Coleoptera)*P. flavolimbatus* (Coleoptera)*Rhinostomus barbirostris* (Coleoptera)

CHRYSANTHEMUM:

Eryobius elarsi (Acarina)*Conotelus mexicanus* (Coleoptera)*Frankliniella formosae* (Thysanoptera)*F. schultzei* (Thysanoptera)*Haplothrips gowdeyi* (Thysanoptera)*Taeniothrips atratus* (Thysanoptera)*Teleonemia proliza* (Hemiptera)*Thrips angusticeps* (Thysanoptera)*T. flavus* (Thysanoptera)*T. nigropilosus* (Thysanoptera)*T. pilicchi* (Thysanoptera)

CIBOTIUM:

Oxychilus altarius (Mollusca)

CICER:

Bruchus tristis (Coleoptera)*Trogodera granarium* (Coleoptera)

CINNAMOMUM:

Trogodera granarium (Coleoptera)

CIRSIMUM:

Tephritis conura (Diptera)

CITRUS AURANTIFOLIA:

Aleurocanthus woglumi (Homoptera)*Anastrepha ludens* (Diptera)*Brevipalpus obovatus* (Acarina)*Chrysomphalus albopictus* (Homoptera)*C. personatus* (Homoptera)*Morganella longispina* (Homoptera)*Parlatoria cinerea* (Homoptera)*Unaspis citri* (Homoptera)*U. yanonensis* (Homoptera)

CITRUS AURANTUM:

Aleurocanthus woglumi (Homoptera)*Parlatoria citri* (Homoptera)*P. zizyphus* (Homoptera)*Unaspis yanonensis* (Homoptera)

CITRUS GRANDIS:

Parlatoria cinerea (Homoptera)

CITRUS I CHANGENSIS X C. RETICULATA VAR. AUSTRALIS:

Unaspis yanonensis (Homoptera)

CITRUS LIMON:

Aspidiotus putearis (Homoptera)*Brevipalpus chilensis* (Acarina)*Parlatoria cinerea* (Homoptera)*P. zizyphus* (Homoptera)*Unaspis citri* (Homoptera)*U. yanonensis* (Homoptera)

CITRUS MITIS:

Ceratitis capitata (Diptera)*Parlatoria zizyphus* (Homoptera)

CITRUS PARADISI:

Anastrepha ludens (Diptera)*Aonidiella citrina* (Homoptera)*Ceratitis capitata* (Diptera)*Morganella longispina* (Homoptera)*Parlatoria cinerea* (Homoptera)*P. zizyphus* (Homoptera)*Unaspis citri* (Homoptera)*U. yanonensis* (Homoptera)

CITRUS PARADISI X C. RETICULATA:

Parlatoria zizyphus (Homoptera)*Unaspis yanonensis* (Homoptera)

CITRUS RETICULATA:

Anastrepha ludens (Diptera)*Aspidiotus diffinis* (Homoptera)*Ceratitis capitata* (Diptera)*Parlatoria cinerea* (Homoptera)*P. citri* (Homoptera)*P. zizyphus* (Homoptera)*Unaspis citri* (Homoptera)*U. yanonensis* (Homoptera)

CITRUS RETICULATA CV.:

Unaspis yanonensis (Homoptera)

CITRUS SINENSIS:

Aleurocanthus woglumi (Homoptera)*Anastrepha ludens* (Diptera)*Aonidiella citrina* (Homoptera)

Hosts and Insects—Continued

CITRUS SINENSIS—Continued	CYCADACEAE:
<i>Aspidiottus excisus</i> (Homoptera)	<i>Eumaeus debora</i> (Lepidoptera)
<i>Ceratitis capitata</i> (Diptera)	CYCAS:
<i>Chrysomphalus personatus</i> (Homoptera)	<i>Ceroplastes ceriferus</i> (Homoptera)
<i>Cryptoblabes gridiella</i> (Lepidoptera)	CYDONIA:
<i>Ectomyelois ceratoniae</i> (Lepidoptera)	<i>Anastrepha ludens</i> (Diptera)
<i>Parlatoria cinerea</i> (Homoptera)	<i>Ceratitis capitata</i> (Diptera)
<i>P. citri</i> (Homoptera)	<i>Cryptoblabes gridiella</i> (Lepidoptera)
<i>P. zizyphus</i> (Homoptera)	<i>Ectomyelois ceratoniae</i> (Lepidoptera)
<i>Theba pisana</i> (Mollusca)	CYMBOPOGON:
<i>Unaspis citri</i> (Homoptera)	<i>Opogona sacchari</i> (Lepidoptera)
<i>U. yanonensis</i> (Homoptera)	CYNARA:
CITRUS SINENSIS VAR. SHAMUTI:	<i>Anuraphis cardui</i> (Homoptera)
<i>Ceratitis capitata</i> (Diptera)	<i>Depressaria erinaceella</i> (Lepidoptera)
CITRUS SP.:	<i>Gortyna flavago</i> (Lepidoptera)
<i>Aleurocanthus woglumi</i> (Homoptera)	<i>Hydroecia xanthenes</i> (Lepidoptera)
<i>Aleuroparadoxus gardeniae</i> (Homoptera)	<i>Thrips angusticeps</i> (Thysanoptera)
<i>Aleurotuberculatus aucubae</i> (Homoptera)	<i>T. flava</i> (Thysanoptera)
<i>Dialeurodes citrifolii</i> (Homoptera)	CYTISUS:
<i>Parlatoria zizyphus</i> (Homoptera)	<i>Bruchidius villosus</i> (Coleoptera)
<i>Pentamerismus oregonensis</i> (Acarina)	DAHLIA:
<i>Thrips angusticeps</i> (Thysanoptera)	<i>Frankliniella intonsa</i> (Thysanoptera)
<i>Trialeurodes simili</i> (Homoptera)	<i>Haplothrips gowdeyi</i> (Thysanoptera)
<i>T. vitrinellus</i> (Homoptera)	<i>Taeniothrips atratus</i> (Thysanoptera)
<i>Unaspis yanonensis</i> (Homoptera)	<i>Thrips flavus</i> (Thysanoptera)
COCOLOBA:	<i>T. pilichi</i> (Thysanoptera)
<i>Selenothrips rubrocinctus</i> (Thysanoptera)	DALBERGIA:
COCOS:	<i>Nasutitermes corniger</i> (Isoptera)
<i>Aspidiottus destructor</i> (Homoptera)	DAUCUS:
<i>A. excisus</i> (Homoptera)	<i>Cecidoides acicula</i> (Mollusca)
<i>Chrysomphalus albopictus</i> (Homoptera)	<i>Phalonia zephyrana</i> (Lepidoptera)
<i>C. personatus</i> (Homoptera)	DELPHINIUM:
<i>Diocalandra taitensis</i> (Coleoptera)	<i>Conotelus mexicanus</i> (Coleoptera)
<i>Furcaspis oceanica</i> (Homoptera)	DENDROBIUM:
<i>Lepidosaphes esakii</i> (Homoptera)	<i>Aleurodicus trinidadensis</i> (Homoptera)
<i>Pheidole megacephala</i> (Hymenoptera)	<i>Orchidophilus aterrimus</i> (Coleoptera)
<i>Pseudococcus oceanicus</i> (Homoptera)	<i>Pheidole megacephala</i> (Hymenoptera)
<i>P. palmarum</i> (Homoptera)	DESMODIUM:
<i>Rhynchosporus palmarum</i> (Coleoptera)	<i>Bruchidius caeruleus</i> (Coleoptera)
<i>Selenothrips rubrocinctus</i> (Thysanoptera)	DIANTHUS:
CODIAEUM:	<i>Aphidura pujoli</i> (Homoptera)
<i>Achaea janata</i> (Lepidoptera)	<i>Cacoecimorpha pronubana</i> (Lepidoptera)
<i>Lepidosaphes tokionis</i> (Homoptera)	<i>Frankliniella formosae</i> (Thysanoptera)
<i>Selenothrips rubrocinctus</i> (Thysanoptera)	<i>F. intonsa</i> (Thysanoptera)
COFFEA:	<i>Haplothrips cottei</i> (Thysanoptera)
<i>Aleurocanthus woglumi</i> (?) (Homoptera)	<i>H. gowdeyi</i> (Thysanoptera)
<i>Anastrepha fraterculus</i> (?) (Diptera)	<i>Platynota rostrana</i> (Lepidoptera)
<i>Ceratitis capitata</i> (Diptera)	<i>Sitona lineata</i> (Coleoptera)
<i>Coccus viridis</i> (Homoptera)	<i>Taeniothrips atratus</i> (Thysanoptera)
<i>Stephanoderes hampei</i> (Coleoptera)	<i>T. dianthi</i> (Thysanoptera)
COLA:	<i>T. picipes</i> (Thysanoptera)
<i>Ceratitis colae</i> (?) (Diptera)	<i>Tetranychus cinnabarinus</i> (Acarina)
COLACASIA:	<i>Thrips flavus</i> (Thysanoptera)
<i>Bradybaena similaris</i> (Mollusca)	<i>T. major</i> (Thysanoptera)
COLUBRINA:	DIOON:
<i>Amblecytus reticulatus</i> (Coleoptera)	<i>Reticulitermes flavipes</i> (Isoptera)
CONVALLARIA:	DIOSCOREA:
<i>Thrips flavus</i> (Thysanoptera)	<i>Palaeopus costicollis</i> (Coleoptera)
CORDYLINE:	<i>"Targonia" hartii</i> (Homoptera)
<i>Bradybaena similaris</i> (Mollusca)	DIOSPYROS:
<i>Limax marginatus</i> (Mollusca)	<i>Brevipalpus obovatus</i> (Acarina)
<i>Pinnaspis buzi</i> (Homoptera)	<i>Ceratitis capitata</i> (Diptera)
CORIANDRUM:	<i>Lepidosaphes conchiformis</i> (Homoptera)
<i>Trogoderma granarium</i> (Coleoptera)	DOLICHOS:
CORYLUS:	<i>Sphenarches caffer</i> (Lepidoptera)
<i>Curculio nucum</i> (Coleoptera)	ECHINODORUS:
CRASSULA:	<i>Aleurodicus iridescentis</i> (Homoptera)
<i>Cerodontha denticornis</i> (Diptera)	ENCEPHALARTOS:
CRATAEGUS:	<i>Antilliarhinus zamiae</i> (Coleoptera)
<i>Aleurotuberculatus aucubae</i> (Homoptera)	ENTADA:
<i>Euproticus stimitis</i> (Lepidoptera)	<i>Araecerus cumingi</i> (Coleoptera)
CROCUS:	ENTEROLOBIUM:
<i>Taeniothrips atratus</i> (Thysanoptera)	<i>Stator limbatus</i> (Coleoptera)
CUCUMIS:	EPIDENDRUM:
<i>Dacus cucurbitae</i> (Diptera)	<i>Nasutitermes ephratae</i> (Isoptera)
<i>Miogryllus convolutes</i> (Orthoptera)	<i>Orchidophilus aterrimus</i> (Coleoptera)
<i>Naupectus zanthographus</i> (Coleoptera)	<i>Vinsonia stellifera</i> (Homoptera)
<i>Pheidole megacephala</i> (Hymenoptera)	ERIOBOTRYA:
CUCURBITA:	<i>Ectomyelois ceratoniae</i> (Lepidoptera)
<i>Pseudococcus gahani</i> (Homoptera)	EUGENIA:
CUMINUM:	<i>Ceratitis capitata</i> (Diptera)
<i>Trogoderma granarium</i> (Coleoptera)	<i>Dacus dorsalis</i> (Diptera)
CYAMOPSIS:	<i>Vinsonia stellifera</i> (Homoptera)
<i>Trogoderma granarium</i> (Coleoptera)	

Hosts and Insects—Continued

EUPHORBIA:

Aspidotus capensis (tentative) (Homoptera)

EUPHORIA:

Cryptophlebia ombrodelta (Lepidoptera)

FIGUS:

Ceratitis capitata (Diptera)*Ectomyelois ceratoniae* (Lepidoptera)

FOENICULUM:

Trogoderma granarium (Coleoptera)

FORTUNELLA:

Parlatoria zizyphus (Homoptera)*Unaspis yanonensis* (Homoptera)

FRAGARIA:

Frankliniella intonsa (Thysanoptera)*Tetranychus cinnabarinus* (Acarina)*Thrips flavus* (Thysanoptera)

FREESIA:

Sitona lineata (Coleoptera)

GARDENIA:

Aleuroparadoxus gardeniae (Homoptera)*Coccus viridis* (Homoptera)*Dialeurodes kirkaldyi* (Homoptera)*Eucalyptinus tessellatus* (Homoptera)*Protopulvinaria pyriformis* (Homoptera)*Pseudonoidia claviger* (Homoptera)*Pulvinaria psidii* (Homoptera)*Taeniothrips hawaiiensis* (Thysanoptera)

GENTIANA:

Stenopilia stigmatodactyla (Lepidoptera)*Thrips major* (Thysanoptera)

GERBERA:

Taeniothrips discolor (Thysanoptera)

GLADIOLUS:

Conotelus mexicanus (Coleoptera)*Frankliniella intonsa* (Thysanoptera)*F. tenuicornis* (Thysanoptera)*Oligogona sacchari* (Lepidoptera)*Pheidole megacephala* (Hymenoptera)*Phaenophisponius tulipaeellus* (Homoptera)*Taeniothrips atratus* (Thysanoptera)*Thrips flavus* (Thysanoptera)

GLYCINE:

Trogoderma granarium (Coleoptera)

GLYCYYRRHIZA:

Lycetus africanus (Coleoptera)

GOSSYPIUM:

Ectomyelois ceratoniae (Lepidoptera)*Mescinia peruella* (Lepidoptera)*Orycarenus hyalinipennis* (Hemiptera)*Pectinophora gossypiella* (Lepidoptera)*Suidasia medanensis* (Acarina)

GYMNOSTACHYUM:

Coccus viridis (Homoptera)

HEDERA:

Ceroplastes rubens (Homoptera)

HEDYCHIUM:

Pentalonia nigronervosa (Homoptera)

HEDYSARUM:

Bruchidius pilosus (Coleoptera)

HIBISCUS:

Acrosternum heegeri (Hemiptera)*Pectinophora gossypiella* (Lepidoptera)

HOLMSKIOLDIA:

Orchidophilus aterrimus (Coleoptera)

HYACINTHUS:

Thrips imaginis (Thysanoptera)

IPOMOEAE:

Cylas formicarius var. (Coleoptera)*C. formicarius elegantulus* (Coleoptera)*C. formicarius formicarius* (Coleoptera)*C. puncticollis* (Coleoptera)*Eusceps postfasciatus* (Coleoptera)*Pheidole megacephala* (Hymenoptera)

IXORA:

Chelanaphothrips orchidii (Thysanoptera)*Pheidole megacephala* (Hymenoptera)

JASMINUM:

Aleurotuberculatus jasmini (Homoptera)*Dialeurodes kirkaldyi* (Homoptera)

JUGLANS:

Ceratitis capitata (?) (Diptera)*Ectomyelois ceratoniae* (Lepidoptera)

JUNIPERUS:

Oligonychus perditus (Acarina)*Pentamerismus oregonensis* (Acarina)

KHAYA:

Cordylomera spinicornis (?) (Coleoptera)

LABURNUM:

Bruchidius debilis (Coleoptera)*B. villosus* (Coleoptera)

LACTUCA:

Arianta arbustorum (Mollusca)*Cochlicella ventrosa* (Mollusca)*Dactynotus sonchi* (Homoptera)*Geomyza tripunctata* (Diptera)*Helicella variabilis* (Mollusca)*Helix aspersa* (Mollusca)*Limax marginatus* (Mollusca)*Limothrips denticornis* (Thysanoptera)*Mamestra brassicae* (Lepidoptera)*Milax gagates* (Mollusca)*Theba pisana* (Mollusca)*Thrips angusticeps* (Thysanoptera)*Udea ferrugalis* (Lepidoptera)

LANSIUM:

Pseudococcus lilacinus (Homoptera)

LATHYRUS:

Bruchus emarginatus (Coleoptera)*B. signaticornis* (Coleoptera)*B. tristiculus* (Coleoptera)*B. tristis* (Coleoptera)*B. viciae* (Coleoptera)*Taeniothrips atratus* (Thysanoptera)*Thrips flavus* (Thysanoptera)

LENS:

Bruchidius incarnatus (Coleoptera)*B. meleagrinus* (Coleoptera)*Bruchus eri* (Coleoptera)*B. lents* (Coleoptera)*B. signaticornis* (Coleoptera)*B. ulicis* (Coleoptera)

LEPTOTES:

Pheidole megacephala (Hymenoptera)

LEUCENA:

Araceus levipennis (Coleoptera)*Oxydema fusiforme* (Coleoptera)*Stator limbatus* (Coleoptera)

LILIUM:

Orchidophilus aterrimus (Coleoptera)*Otala vermiculata* (Mollusca)*Theba pisana* (Mollusca)

LITCHI:

Cryptophlebia ombrodelta (Lepidoptera)

LUPINUS:

Taeniothrips atratus (Thysanoptera)*Thrips flavus* (Thysanoptera)

LYCASCHE:

Vinsonia stellifera (Homoptera)

LYCOPERSICON:

Ceratitis capitata (?) (Diptera)*Neoleucinodes elegantulus* (Lepidoptera)*Udea ferrugalis* (Lepidoptera)

LYCOPodium:

Sybra alternans (Coleoptera)

LYCORIS:

Taeniothrips eucharis (Thysanoptera)

MACADAMIA:

Cryptophlebia illepida (Lepidoptera)*C. ombrodelta* (Lepidoptera)

MALUS:

Anastrepha ludens (Diptera)*Astrotritrix postvittana* (?) (Lepidoptera)*Blastodacna atra* (Lepidoptera)*Carposina nipponensis* (Lepidoptera)*Cenopalpus pulcher* (Acarina)*Ceratitis capitata* (Diptera)*Lepidosaphes tubulorum* (Homoptera)*Ostrinia nubilalis* (Lepidoptera)*Tetranychus viennensis* (Acarina)*Tritriz excessana* (Lepidoptera)

MAMMEA:

Anastrepha ludens (Diptera)

MANGIFERA:

Anastrepha ludens (Diptera)*A. pombe praecipita* (Diptera)*Aulacaspis tubercularis* (Homoptera)*Ceratitis capitata* (Diptera)*Cryptoblabes gnidiella* (Lepidoptera)*Dacus dorsalis* (Diptera)*Pheidole megacephala* (Hymenoptera)*Pseudischaspis longissima* (Homoptera)

Hosts and Insects—Continued

MANGIFERA—Continued
Sternochetus mangiferae (Coleoptera)

MATTHIOLA:
Thrips angusticeps (Thysanoptera)

MAXILLARIA:
Asterolecanium epidendri (Homoptera)

Vinsonia stellifera (Homoptera)

MEDICAGO:
Coneotels mexicanus (Coleoptera)

Spanognocicus albofuscatus (Hemiptera)

MENTHA:
Ovatus crataegarius (Homoptera)

Udea ferrugalis (Lepidoptera)

MESEMBRYANTHEMUM:
Haplothrips clarisetis(?) (Thysanoptera)

METASIDEROS:
Ceroplastes rubens (Homoptera)

MIRABILIS:
Cochlicella barbara (Mollusca)

Helicella candidula (Mollusca)

H. elegans (Mollusca)

H. trochoidea (Mollusca)

Helix aspersa (Mollusca)

Subulina octona (Mollusca)

Theba pisana (Mollusca)

MOMORDICA:
Dacus cucurbitae (Diptera)

MUSA:
Aspidiottus destructor (Homoptera)

Cosmopolites sordidus (Coleoptera)

Metamasius hemipterus hemipterus (Coleoptera)

M. hemipterus sericeus (Coleoptera)

Plateocercus symmicta (Lepidoptera)

Polytus mellerborgii (Coleoptera)

Porphyrobaphe iostoma (Mollusca)

Prepilla aurea (Lepidoptera)

Pseudococcus ghani (Homoptera)

Solaropsis monile (Mollusca)

MUSCARI:
Helicella variabilis (Mollusca)

MYRISTICA:
Trogoderma granarium (Coleoptera)

NARCISSUS:
Merodon equestris (Diptera)

Stenotarsus nemus laticeps (Acarina)

Taeniothrips eucharii (Thysanoptera)

NEOREGELIA:
Aspidiottus palmae (Homoptera)

NOTHOPanax:
Parthenothrips dracaenae (Thysanoptera)

NOTYLLA:
Vinsonia stellifera (Homoptera)

OLEA:
Aleurlobus olivinus (Homoptera)

Dacus oleae (Diptera)

Prays oleellus (Lepidoptera)

ONCIDIUM:
Vinsonia stellifera (Homoptera)

OPERCULINA:
Graptostethus manillensis (Hemiptera)

Xiphidiosis lita (Orthoptera)

OPUNTIA:
Ceratitidis capitata (Diptera)

Sterrhia inquinata (Lepidoptera)

ORCHID:
Adoretus sinicus (Coleoptera)

Anthonomus albolineatus (Coleoptera)

Arphnus melanotus (Hemiptera)

Aspidiottus palmae (Homoptera)

Bradybaena similaris (Mollusca)

Chaetanaphothrips orchidi (Thysanoptera)

Chrysomphalus albopictus (Homoptera)

C. odontoglossus (Homoptera)

Coccus viridis (Homoptera)

Diaphania quadristigmatis (Lepidoptera)

Dioryctriellus laevimargo (Coleoptera)

Eriopyga fea (Lepidoptera)

Fulvius anthocorides (Hemiptera)

Helicina neritella (Mollusca)

Helix aspersa (Mollusca)

Iridomyrmex iniquus (Hymenoptera)

Lamellaria micra (Mollusca)

Lepidosaphes tuberculata (Homoptera)

Limaz marginatus (Mollusca)

Lygaeus pulchellus (Hemiptera)

Milax gagates (Mollusca)

Myrmecophila americana (Orthoptera)

Nasutitermes ephratae (Isoptera)

N. nigriceps (Isoptera)

N. ripperii (Isoptera)

Orchidophilus aterrimus (Coleoptera)

Paracosmia tolteca (Dermaptera)

Phedole megacephala (Hymenoptera)

Phyllotreta distigma (Coleoptera);

Pseudischnaspis alienus (Homoptera)

P. boureyi(?) (Homoptera)

Pseudoparlatoria serrulata (Homoptera)

Subulina octona (Mollusca)

Tenothecoris exitiosus (Hemiptera)

Trochida rasa(?) (Lepidoptera)

Ulopa horana (Homoptera)

Vilga dissimilis (Hemiptera)

Vinsonia stellifera (Homoptera)

ORNITHOGALUM:
Aplooneura lentisci (Homoptera)

Haplothrips aculeatus (Thysanoptera)

Taeniothrips atratus (Thysanoptera)

ORYZA:
Chilo suppressalis (Lepidoptera)

Ostrinia nubilalis (Lepidoptera)

Trogoderma granarium (Coleoptera)

PALM:
Anonidiella inornata (Homoptera)

Aspidiottus palmae (Homoptera)

Chrysomphalus odontoglossus (Homoptera)

Dinoderus borneanus(?) (Coleoptera)

Vinsonia stellifera (Homoptera)

PELEA:
Prays fulvocanellus (Lepidoptera)

PERSEA:
Aspidictus diffinis (Homoptera)

Chrysomphalus albopictus (Homoptera)

Conotrachelus aguacatae (Coleoptera)

C. perseae (Coleoptera)

Dacus dorsalis (Diptera)

Phedole megacephala (Hymenoptera)

Pseudocysta perseae (Hemiptera)

Stenoma catenifer (Lepidoptera)

PETROSELINUM:
Euleia heraclei(?) (Diptera)

Haplothrips clarisetis(?) (Thysanoptera)

Thrips pilicilli (Thysanoptera)

Udea ferrugalis (Lepidoptera)

PHAIUS:
Bradybaena similaris (Mollusca)

PHALAENOPSIS:
Chrysomphalus tingu (Homoptera)

PHASEOLUS:
Acanthoscelides armitagei (Coleoptera)

Ancylostomia stercorea (Lepidoptera)

Carvedon gonagra (Coleoptera)

Cryptophlebia ombrodelta (Lepidoptera)

Epinotia aporema (Lepidoptera)

Eteres comyntas (Lepidoptera)

Fundella pellucens (Lepidoptera)

Lamپides boeticus (Lepidoptera)

Maruca testulalis (Lepidoptera)

Matusmuraes phaseoli (Lepidoptera)

Trogoderma granarium (Coleoptera)

PHILODENDRON:
Chrysomphalus umboniferus (Homoptera)

Prodecatoma philodendri (Hymenoptera)

PHILOX:
Taeniothrips atratus (Thysanoptera)

PHOENIX:
Ceratitidis capitata (Diptera)

PHRAGMITES:
Dinoderus bifoveolatus (Coleoptera)

Giraudiella inclusa (Diptera)

Minthea rugicollis (Coleoptera)

PICEA:
Plemeiella abietina (Diptera)

PINUS:
Dichocrocis punctiferalis (Lepidoptera)

Forficula pubescens (Dermaptera)

Ips calligraphus (Coleoptera)

Lepidosaphes pini (Homoptera)

PIPER:
Opeas pumilum (Mollusca)

Hosts and Insects—Continued

PISTACIA:

Ceratitis capitata (Diptera)
Megastigmus pistaciae (Hymenoptera)
Schneidereria pistaciella (Lepidoptera)
Trogoderma granarium (Coleoptera)

PISUM:

Ancylostomia stercorea (Lepidoptera)
Bruchidius unicolor (?) (Coleoptera)
Bruchus rufipes (Coleoptera)
B. tristiculus (Coleoptera)
B. tristis (Coleoptera)
Callosobruchus analis (Coleoptera)
Lampides boeticus (Lepidoptera)
Laspesia nigricana (Lepidoptera)
Trogoderma granarium (Coleoptera)

PITHOCELLOBIUM:

Stator limbatus (Coleoptera)

PITTOSPORUM:

Holochlora japonica (Orthoptera)

PLANTAGO:

Trogoderma granarium (Coleoptera)

PLATYCERIUM:

Opeas pyrgula (Mollusca)

PLUCHEA:

Aceria pluchaeae (Acarina)
Suidasia medanensis (Acarina)

PLUMERIA:

Aspidiota herculeana (Homoptera)
Caryedon gonagra (Coleoptera)
Pheidole megacephala (Hymenoptera)

Subra alternans (Coleoptera)

POINCIANA:

Cryptophlebia ombrodelta (Lepidoptera)

PORTULACA:

Loxostege bifidalis (Lepidoptera)

PROSOPIS:

Taeniothrips picipes (Thysanoptera)

PROTEA:

Haplothrips gowdeyi (Thysanoptera)
Pseudothrips glaucus (Thysanoptera)
Theba pisana (Mollusca)

PRUNUS AMYGDALUS:

Ectomyelois ceratoniae (Lepidoptera)
Eurytoma amygdali (Hymenoptera)
Monosteira unicostata (Hemiptera)

PRUNUS ARMENIACA:

Ceratitis capitata (Diptera)

PRUNUS AVIUM:

Rhagoletis cerasi (Diptera)

PRUNUS CERASUS:

Rhagoletis cerasi (Diptera)

PRUNUS DOMESTICA:

Austrotortrix postvittana (?) (Lepidoptera)

Ceratitis capitata (Diptera)

PRUNUS PERSICA:

Anastrepha ludens (Diptera)

Ceratitis capitata (Diptera)

Ostrinia nubilalis (Lepidoptera)

PRUNUS PERSICA VAR. NECTARINA:

Ceratitis capitata (Diptera)

PRUNUS SEROTINA:

Anthophonus rectirostris (Coleoptera)

PRUNUS SP. (cherry):

Rhagoletis cerasi (Diptera)

PSIDIUM:

Anastrepha mombinpraecoptans (Diptera)

A. striata (Diptera)

A. suspensa (Diptera)

Ceratitis capitata (Diptera)

Dacus dorsalis (Diptera)

PUNICA:

Anastrepha ludens (Diptera)

Ceratitis capitata (Diptera)

Cryptoblabes gnidiella (Lepidoptera)

Ectomyelois ceratoniae (Lepidoptera)

Orycterenus hyalinipennis (Hemiptera)

PYRACANTHA:

Aleurotuberculatus aucubae (Homoptera)

PYRUS:

Anastrepha ludens (Diptera)

Ceratitis capitata (Diptera)

Ectomyelois ceratoniae (Lepidoptera)

Trogoderma granarium (Coleoptera)

QUERCUS:

Helicella caperata (Mollusca)

H. variabilis (Mollusca)
Laspeyresia splendana (Lepidoptera)
Neuroterus tricolor (Hymenoptera)

Theba pisana (Mollusca)

QUISQUALIS:

Pseudeococcus lilacinus (Homoptera)

RAPHANUS:

Phytomyza rufipes (Diptera)

RHODODENDRON:

Dialeurodes chittendeni (Homoptera)

Gracilaria azaleella (Lepidoptera)

Pealius azaleae (Homoptera)

Rhopalosiphum rufulabdominalis (?) (Homoptera)

Sitona lineata (Coleoptera)

RHYNCHOSIA:

Trogozylon aequale (Coleoptera)

RIBES:

Asterobemisia carpini (Homoptera)

ROSA:

Aleurocanthus voglumi (Homoptera)

Anuraphis cardui (Homoptera)

Ardis sulcata (Hymenoptera)

Arge ochropus (Hymenoptera)

Blennochampa pusilla (Hymenoptera)

Cacoecimorpha pronubana (Lepidoptera)

Cladus isomerus (Hymenoptera)

C. pectinicornis (Hymenoptera)

Endelomyia aethiops (Hymenoptera)

Frankliniella formosae (Thysanoptera)

F. intonosa (Thysanoptera)

F. schultzei (Thysanoptera)

Jadera pyrrholoma (Hemiptera)

Macrosiphum ibarai (?) (Homoptera)

Rhagoletis alternata (?) (Diptera)

Taeniothrips atratus (Thysanoptera)

T. ericae (Thysanoptera)

Thrips flavus (Thysanoptera)

T. imaginis (Thysanoptera)

T. major (Thysanoptera)

ROSACEAE:

Liocoris tripustulatus (Hemiptera)

ROSMARINUS:

Thrips angusticeps (Thysanoptera)

RUBUS:

Asterobemisia carpini (Homoptera)

Ceratitis rubivora (Diptera)

SACCHARUM:

Chilo loftini (Lepidoptera)

Dysdercus cinnamomi (Hemiptera)

Opogona sacchari (Lepidoptera)

Reticulitermes flavipes (Isoptera)

Zeadraitra lineolata (Lepidoptera)

SALIX:

Micrapate labialis (Coleoptera)

SALVIA:

Liodontomerus papaveris (Hymenoptera)

SAMANEA:

Figulus foveicollis (Coleoptera)

Incisitermes repandus (Isoptera)

Sinixylon conigerum (Coleoptera)

Stator limbatus (Coleoptera)

Xyloloscus castaneoptera (Coleoptera)

SCABIOSA:

Sitona hispidula (Coleoptera)

SCHIZOLOBIUM:

Treherneilla tibouchinae (Thysanoptera)

SCHOMBURGKIA:

Nasutitermes corniger (Isoptera)

SESBANIA:

Lampides boeticus (Lepidoptera)

Maruca testulalis (Lepidoptera)

SOIL:

Cecidiooides acicula (Mollusca)

Geotomus pygmaeus (Hemiptera)

Helicella pyramidata (Mollusca)

Homoeogryllus japonicus (Orthoptera)

Monacha olivieri (Mollusca)

Myzus ascalonicus (?) (Homoptera)

Opogona sacchari (Lepidoptera)

Orychilus alliarius (Mollusca)

Retinella hammonis (Mollusca)

Taeniothrips atratus (Thysanoptera)

Thrips angusticeps (Thysanoptera)

Trichia hispida (Mollusca)

Hosts and Insects—Continued

SOLANUM MELONGENA:

Hylesia euphemia (Lepidoptera)*Leucinodes orbonalis* (Lepidoptera)

SOLANUM TUBEROSUM:

Gnorimoschema plaeiosoma (Lepidoptera)*Premnotypes latithorax* (Coleoptera)*Taeniothrips ericae* (Thysanoptera)

SORGHUM:

Sesamia cretica (Lepidoptera)

SPARTIUM:

Bruchidius unicolor (Coleoptera)

SPATHOGLOTTIS:

Brevipalpus obovatus (Acarina)

SPONDIAS:

Anastrepha mombinpraeoptans (Diptera)*Chrysomphalus calurus* (Homoptera)

STANHOPEA:

Vinsonia stellifera (Homoptera)

STAPHYLEA:

Diaprepes abbreviatus (Coleoptera)

STERCULIA:

Oryzema fusiforme (Coleoptera)*Trogoderma granarium* (Coleoptera)

SWIETENIA:

Geotomus pygmaeus (Hemiptera)*Lyctus africanus* (Coleoptera)*Sinonyx analis* (Coleoptera)

SYRINGA:

Adozophyes reticulana (Lepidoptera)

TAMARINDUS:

Caryedon gonagra (Coleoptera)*Phloeomerus aberrans* (Coleoptera)*Trogoderma granarium* (Coleoptera)

TERMINALIA:

Anastrepha mombinpraeoptans (Diptera)*Ceratitus capitata* (Diptera)*Dacus dorsalis* (Diptera)*Trogoderma granarium* (Coleoptera)

TILLANDSIA:

Reticulitermes tibialis (Isoptera)

TILA:

Chionaspis salicis (Homoptera)

TRITICUM:

Bruchidius gilvus (Coleoptera)*Haplothrips aculeatus* (Thysanoptera)*H. tritici* (Thysanoptera)

TULIPA:

Merodon equestris (Diptera)

VANDA:

Araecerus levipennis (Coleoptera)*Bradybaena similaris* (Mollusca)*Conoderus exsul* (Coleoptera)*Eurytoma orchidearum* (Hymenoptera)*Genaparlatoria pseudaspidiotus* (Homoptera)*Graptostethus manillensis* (Hemiptera)*Orchidophilus aterrimus* (Coleoptera)*Orydium longulum* (Coleoptera)*Perkinsiella saccharicida* (Homoptera)*Taeniothrips hawaiiensis* (Thysanoptera)*Xiphidiopsis lita* (Orthoptera)

VICIA:

Bruchus azoricus (Coleoptera)*B. dentipes* (Coleoptera)*B. lentic* (Coleoptera)*B. rufipes* (Coleoptera)*B. rufipes luteicornis* (Coleoptera)*B. signaticornis* (Coleoptera)*B. tristiculus* (Coleoptera)*B. tristis* (Coleoptera)*Trogoderma granarium* (Coleoptera)

VIGNA:

Fundella pellucens (Lepidoptera)

VIOLA:

Arianta arbustorum (Mollusca)

VITIS:

Clytiana ambiguella (Lepidoptera)*Lobesia botrana* (Lepidoptera)*Phylctinus callosus* (Coleoptera)*Scantius forsteri* (Hemiptera)

YUCCA:

Erythrotiops durango (Thysanoptera)*Phera centroleuca* (Homoptera)

ZEA:

Diaprepes farinosus (Coleoptera)*Ostrinia nubilalis* (Lepidoptera)*Seamia cretica* (Lepidoptera)*Zeadriatra lineolata* (Lepidoptera)

ZINGIBER:

Mimegralla coeruleifrons (Diptera)*Pentalonia nigronervosa* (Homoptera)*Pheidole megacephala* (Hymenoptera)*Pulvinaria psidii* (Homoptera)*"Tartagiona" hartii* (Homoptera)

ZINNIA:

Frankliniella sulphurea (Thysanoptera)*Thrips flava* (Thysanoptera)

ZIZYPHUS:

Ceratitus capitata (Diptera)

Hosts Unknown

AIRPLANE:

Achaea janata (Lepidoptera)*Achetis hispanicus* (Orthoptera)*Adoretus sinicus* (Coleoptera)*Aeneolamia reducta* (Homoptera)*Aethus indicus* (Hemiptera)*Agriphila latistria* (Lepidoptera)*Altocerasis spinosus* (Coleoptera)*Anastrepha mombinpraeoptans* (Diptera)*Araecerus levipennis* (Coleoptera)*Betulaphis quadrifuscularis* (Homoptera)*Chalciope hypspasia* (Lepidoptera)*Choranthus vitellius* (Lepidoptera)*Cyclocephala discicollis* (Coleoptera)*Cylas formicarius* (Coleoptera)*Deltocerphalus maculatus* (Homoptera)*Diabrotica speciosa* (Coleoptera)*Diaprepes abbreviatus* (Coleoptera)*Diataraxia oloracea* (Lepidoptera)*Dysdercus andreae* (Hemiptera)*Empoasca kraemerii* (Homoptera)*Ericia inangulata* (Lepidoptera)*Eutheola hirsutis* (Coleoptera)*Euzesta eluta* (Diptera)*Geniates panamensis* (Coleoptera)*Geocoris thoracicus* (Hemiptera)*Gryllus bimaculatus* (Orthoptera)*Helicella maritima* (Mollusca)*Hymenia perspectalis* (Lepidoptera)*Hypomeces squamosus* (Coleoptera)*Liogenys macropelma* (Coleoptera)*L. quadridentis* (Coleoptera)*Lygaeus equestris* (Hemiptera)*L. pandurus* (Hemiptera)*Marasmia poegalis* (Lepidoptera)*Meridryias progenies* (Lepidoptera)*Mniotriphus lichenigera* (Lepidoptera)*Mumetopia nigrimana* (Diptera)*Oryambulyx substrigilis* (Lepidoptera)*Orycopicus vittata* (Coleoptera)*Parnara guttata* (Lepidoptera)*Pentalonia nigronervosa* (Homoptera)*Polydesma umbricola* (Lepidoptera)*Prodenia litura* (Lepidoptera)*Sogata orizicola* (Homoptera)*Sphingonotus rubescens* (Orthoptera)*Spodoptera mauritia acronyctoides* (Lepidoptera)*S. pecten* (Lepidoptera)*Stator limbatus* (Coleoptera)*Sylepta balettae* (Lepidoptera)*Syngamia florella* (Lepidoptera)*Teleogryllus mitratus* (Orthoptera)*Theba pisana* (Mollusca)*Tipula scripta* (Diptera)*Utetheisa pulchella* (Lepidoptera)*Zeadriatra lineolata* (Lepidoptera)

AQUATIC PLANT:

Pentalonia nigronervosa (Homoptera)

Hosts Unknown—Continued

AUTOMOBILE:

Aellopos tantalus (Lepidoptera)
Cochlicella barbara (Mollusca)
C. ventrosa (Mollusca)
Helicella variabilis (Mollusca)
Theba pisana (Mollusca)
Troxylyton aequale (Coleoptera)

BAGGAGE:

Adoretus sinicus (Coleoptera)
Allotaxis spinosus (Coleoptera)
Arianta arbustorum (Mollusca)
Bruchus ervi (Coleoptera)
B. rufipes (Coleoptera)
Caryedon gonagra (Coleoptera)
Ceratitis capitata (Diptera)
Cyane terpischorella (Lepidoptera)
Dacus dorsalis (Diptera)
D. oleae (Diptera)
Diocalandra taitensis (Coleoptera)
Gryllus bimaculatus (Orthoptera)
Helix aperta (Mollusca)
H. pomatia (Mollusca)
Laspeyresia splendana (Lepidoptera)
Maruca testulalis (Lepidoptera)
Modicogryllus conspersus (Orthoptera)
Nysius coenosulus (Hemiptera)
Orchidophilus aterrimus (Coleoptera)
Otala vermiculata (Mollusca)
Otosema odorata (Lepidoptera)
Parastichtis monoglypha (Lepidoptera)
Sesamia nonagrioides (Lepidoptera)
Sinoclydon conigerum (Coleoptera)
Sybra alternans (Coleoptera)

BAGGING:

Cylas formicarius elegantulus (Coleoptera)
Trogoderma granarium (Coleoptera)

BALLAST:

Caryedon gonagra (Coleoptera)
Trogoderma granarium (Coleoptera)

CARGO:

Acrida sulphuripennis (Orthoptera)
Cylas formicarius elegantulus (Coleoptera)
Draeculacephala clypeata (Homoptera)
Gastrinurus brevipes (Orthoptera)
Gryllotalpa africana (Orthoptera)
Helix aspersa (Mollusca)
Heteroderes convezinotatus (Isoptera)
Homorocoryphus nitidulus (Orthoptera)
Lycus africanus (Coleoptera)
Megalogryllus molinai (Orthoptera)
Metamasius hemipterus sericeus (Coleoptera)
Morphaxis fasciata (Orthoptera)
Nephrotettix apicalis (Homoptera)
Orchidophilus aterrimus (Coleoptera)
Otala lactea (Mollusca)
Prodenia litura (Lepidoptera)
Sinoclydon analis (Coleoptera)
Trogoderma granarium (Coleoptera)

CLOTHING:

Phidole megacephala (Hymenoptera)
Pyrototis pryeri (Coleoptera)
Reticulitermes flavipes (Isoptera)

CONIFER:

Hylobius abietis (Coleoptera)

CRATE:

Theba pisana (Mollusca)

CUTTING:

Cenopalpus pulcher (Acarina)
Euphyllura olivina (Homoptera)

DEBRIS:

Dictyla nassata (Hemiptera)
Synomis cysea (Lepidoptera)
Trogoderma granarium (Coleoptera)
Xanthochroina bicolor (Coleoptera)

DUNNAGE:

Calidium rufipenne (Coleoptera)
Sitona hispidula (Coleoptera)

EXCELSIOR:

Lema bilineata (Coleoptera)

FLOUR:

Sitona lineata (Coleoptera)

FLOWERS:

Adoretus sinicus (Coleoptera)
Bradybaena similaris (Mollusca)
Diaprepes abbreviatus (Coleoptera)
D. abbreviatus var. (Coleoptera)

Frankliniella formosae (Thysanoptera)

F. intonse (Thysanoptera)

Haplothrips gowdeyi (Thysanoptera)

Orchidophilus aterrimus (Coleoptera)

Phidole megacephala (Hymenoptera)

Siphanta acuta (Homoptera)

Spanioleura fonscolombiae (Homoptera)

Taeniothrips atratus (Thysanoptera)

Theba pisana (Mollusca)

Thrips angusticeps (Thysanoptera)

T. flavus (Thysanoptera)

T. major (Thysanoptera)

T. pilichi (Thysanoptera)

FOOD:

Phaeocatantops decoratus (Orthoptera)

Tylotropidius gracilipes (Orthoptera)

FRUIT—UNIDENTIFIED:

Anastrepha mombinpraecoptans (Diptera)

Ceratitis capitata (Diptera)

GRAIN:

Trogoderma granarium (Coleoptera)

GUM ZEDOU:

Trogoderma granarium (Coleoptera)

HERB:

Haplothrips gowdeyi (Thysanoptera)

Helicella maritima (Mollusca)

Phidole megacephala (Hymenoptera)

LEAF—UNIDENTIFIED:

Achaea janata (Lepidoptera)

Aleurotrachelus jellenkii (Homoptera)

Aspidiotus destructor (Homoptera)

Asterobemisia carpini (Homoptera)

Crenidorsum stigma phylli (Homoptera)

Vinsonia stellaris (Homoptera)

LEGUME:

Bruchus rufipes (Coleoptera)

B. tristis (Coleoptera)

Phelomerus aberrans (Coleoptera)

MAIL:

Adoretus sinicus (Coleoptera)

Ancylostomia stercorea (Lepidoptera)

Coptermetes formosanus (Isoptera)

Eusceptes postfasciatus (Coleoptera)

Helix aspersa (Mollusca)

Pholidoforus advena (Coleoptera)

Polydesma umbricola (Lepidoptera)

Teleogryllus mitratus (Orthoptera)

MILITARY CARGO:

Achatina fulica (Mollusca)

Bradybaena similaris (Mollusca)

Cochlicella barbara (Mollusca)

C. ventrosa (Mollusca)

Helicella caperata (Mollusca)

H. conspurcata (Mollusca)

H. cretica (Mollusca)

H. derbentina (Mollusca)

H. itala (Mollusca)

H. littoralis (?) (Mollusca)

H. maritima (Mollusca)

H. protea (Mollusca)

H. pyramidata (Mollusca)

H. variabilis (Mollusca)

Helicina conveza (Mollusca)

Helix aspersa (Mollusca)

H. figulina (Mollusca)

Macrogyllus stellarum (Lepidoptera)

Monacha cantiana (Mollusca)

M. carthasiana (Mollusca)

M. olivieri (Mollusca)

Nasutitermes ripertiae (Isoptera)

Otala vermiculata (Mollusca)

Pieris brassicae (Lepidoptera)

Rumina decollata (Mollusca)

Theba pisana (Mollusca)

NURSERY STOCK:

Ceutorhynchus erysimi (Coleoptera)

Haplothrips aculeatus (Thysanoptera)

Sitona hispidula (Coleoptera)

Taeniothrips atratus (Thysanoptera)

Thrips flavus (Thysanoptera)

PACKING MATERIAL:

Trigonophora meticulosa (Lepidoptera)

PAPER:

▲ *Cryptotermes brevis* (Isoptera)

Hosts Unknown—Continued

PLANT—UNIDENTIFIED:

Ceroplastes rubens (Homoptera)
Miccotrogus picirostris (Coleoptera)

PLANT MATERIAL:

Dialeurodes kirkaldyi (Homoptera)
Lygus lineolaris (Hemiptera)
Megaris laevicollis (Hemiptera)
Melormenis antillarum (Homoptera)
Minthea rugicollis (Coleoptera)
Mormidea v-luteum (Hemiptera)
Stator limbatus (Coleoptera)
Theba pisana (Mollusca)

QUARTERS:

Cylas formicarius elegantulus (Coleoptera)
Mamestra brassicae (Lepidoptera)
Melolontha melolontha (Coleoptera)
Rhynchosphorus palmarum (Coleoptera)
Sitona hispidula (Coleoptera)

TROGODERMA GRANARIUM:

Trogoderma granarium (Coleoptera)

RAILWAY CAR:

Dysdercus obliquus (Hemiptera)

RESIDUE:

Helicella pyramidata (Mollusca)

SEED—UNIDENTIFIED:

Araecerus levipennis (Coleoptera)
Ectomyelois ceratoniae (Lepidoptera)
Mimosestes dominicanus (Coleoptera)
Stator pruininus (Coleoptera)

STORES:

Acrolepia assectella (Lepidoptera)
Bruchus rufipes (Coleoptera)
Caryedon gonagra (Coleoptera)
Epinotia a porema (Lepidoptera)
Gnorimoschema ocellatella (Lepidoptera)
Helicella aragonis (Mollusca)

H. virgata (Mollusca)

Helix aperta (Mollusca)

H. aspersa (Mollusca)

Nephopterix apicalis (Homoptera)

Sifona cylindricollis (Coleoptera)

Theba pisana (Mollusca)

Trogoderma granarium (Coleoptera)

STRAW:

Forficula aetolica (Dermaptera)

Kalotermes flavicollis (Isoptera)

VEGETABLES:

Conotelus mexicanus (Coleoptera)

WOOD:

Apate monachus (Coleoptera)

Callidium rufipenne (Coleoptera)

Cryptotermes brevis (Isoptera)

Dinoderus bifoveolatus (Coleoptera)

Heterobostrychus aequalis (Coleoptera)

H. brunneus (Coleoptera)

Heterotermes convexinotatus (Isoptera)

Lyctus brunneus (Coleoptera)

Micrapate labialis (Coleoptera)

M. mexicana(?) (Coleoptera)

Minthea rugicollis (Coleoptera)

Nasutitermes corniger (Isoptera)

Sinoxylon anale (Coleoptera)

S. conigerum (Coleoptera)

Trogoxylon aequale (Coleoptera)

T. prostomoides (Coleoptera)

Xyloperthella crinitarsis (Coleoptera)

X. picea (Coleoptera)

Xyloperthodes nitidipennis(?) (Coleoptera)

Xylothrips religiosus (Coleoptera)

Countries of Origin and Insects

AFRICA (country(?)):

Ceratitis capitata
Dinoderus bifoveolatus
Frankliniella schultzei
Minthea rugicollis

ALGERIA:

Hydroecia xanthenes
Partotaria zizyphus

AMERICAN SAMOA:

Chaetanaphothrips orchidii
Dinoderus borneanus(?)
Geotomus pygmaeus
Pentalonita nigrorufa

AMERICAN VIRGIN ISLANDS:

Trogylodon aequale

ANGOLA:

Xyloperthella picea

ANTIGUA:

Cylas formicarius elegantulus
Diaprepes farinosus

Vinsonia stellifera

ARGENTINA:

Ceratitis capitata
Taeniothrips picipes

ARUBA:

Fundella pellucens

AUSTRALIA:

Aonidiella citrina

Betulaphis quadrifligerulus

Ceroplastes rubens

Cylas formicarius

Frankliniella schultzei

Haplothrips gowdeyi

Helix aspersa

Lepidosaphes tuberculata

Lycus brunneus

Oratus crataegarius

Pheidole megacephala

Thrips imaginis

Unaspis yanonensis

AUSTRALIA(?)

Ceratitis capitata(?)

AUSTRIA:

Ardis sulcata

Bruchidius villosus

Giraudiella inclusa

Laspeyresia splendana

Pleneliella abietina

AZORES:

Bruchus rufipes

B. tristiculus

Ceratitis capitata

Cerodontha denticornis

Cochlicella ventrosa

Helix apera

H. aspersa

Laspeyresia splendana

Pieris brassicae

Rhagoletis cerasi

Theba pisana

BAHAMAS:

Ancyllostomia stercorea

Ips calligraphus

Nasutitermes ripptei

Vinsonia stellifera

Zeadriatrea lineolata

BARBADOS:

Ancyllostomia stercorea

Fundella pellucens

Pectinophora gossypiella

BELGIUM:

Adoxophyes reticulana

Anthonomus rectirostris

Bruchidius villosus

Euleia heraclei(?)

Evergestis forficalis

Frankliniella intonsa

Mamestra brassicae

Phytomyza rufipes

Taeniothrips atratus

T. dianthi

BERMUDA:

Bradybaena similaris

Helicina convexa

Otala vermiculata

Selenothrips rubrocinctus

BERMUDA(?)

Ceratitis capitata(?)

BOLIVIA:

Premnotrypes latithorax

BRAZIL:

Acanthoscelides bixae

Aganactesis indecora

Amblycerus reticulatus

Anastrepha fraterculus(?)

A. mombin praepoptans

Brevipalpus obovatus

Ceratitis capitata

Chrysomphalus personatus

C. umboniferus

Ectomyelois ceratoniae

Eutheoda humilis

Eurytoma orchidearum

Eusceps postfasciatus

Megaris laevicollis

Mormidea v-luteum

Nasutitermes corniger

Pallantia macula

Parlatoria cinerea

Pectinophora gossypiella

Phelomerus aberrans

Platynota rostrana

Prodecatome pholidendri

Pseudococcus gahani

Stephanoderes hampei

Taeniothrips atratus

Tenthecoris extiosus

Treherniella tibouchinae

Unaspis citri

BRITISH GUIANA:

Caryedon gonagra

Eusceps postfasciatus

Fundella pellucens

BRITISH HONDURAS:

Gnorimoschema gudmannella

Nasutitermes corniger

N. ephratae

N. nigriceps

Pheidole megacephala

Pseudischnaspis alienus

Stenoma catenifer

Vinsonia stellifera

BRITISH VIRGIN ISLANDS:

Choranthus vitellius

BRITISH WEST INDIES (island(?)):

Delticephalus maculellus

BURMA:

Bruchidius caerulius

CANADA:

Microtrogus picirostris

Sitona lineata

CANAL ZONE:

Acanthoscelides armigerae

Ancyllostomia stercorea

Chrysomphalus albopictus

Cosmopolites sordidus

Pheidole megacephala

Vilga dissimilis

Vinsonia stellifera

CANARY ISLANDS:

Ceratitis capitata(?)

CAPE VERDE ISLANDS:

Cryptoblabes gridiella

CEYLON:

Eurytoma orchidearum

Sinoryxon conigerum

Trogoderma granarium

Xylothrips religiosus

CHILE:

Epinotia aporema

Gnorimoschema plaeisosema

Lema bilineata

Naupactus xanthographus

CHINA:

Chalciope hyppasia

Cryptotermes brevis

Dialeurodes kirkaldyi

Parlatoria zizyphus

Spodoptera mauritia acronyctoides

Unaspis yanonensis

Countries of Origin and Insects—Continued

COLOMBIA:

Aleurodicus trinidadensis
Epinotia aporema
Eurytoma orchidearum
Gnorimoschema gudmannella
Heterotermes convexinotatus
Limax marginatus
Megaloryllus molinai
Milax gagates
Minthea squamigera
Stenoma catenifer

COSTA RICA:

Aleurocanthus woglumi
Anastrepha mombinpraeoptans
Aspidiottus destructor
Bephrae maculicollis
Ceratitis capitata
Chrysomphalus albopictus
Conotrachelus perseae
Diaphania quadristigmatis
Limax marginatus
Metamasius hemipterus sericeus
Stenoma catenifer

RETE:

Cochlicella barbara
Helicella cretica
Helix aspersa
Otala vermiculata
Theba pisana

CUBA:

Anastrepha mombinpraeoptans
Cylas formicarius elegantulus
Nasutitermes rippertii
Syngamia florella

CURACAO:

Caryedon gonagra

CYPRUS:

Bruchus lentsis
Ceratitis capitata
Haplothrips cotti
Bruchus rufipes
Frankliniella intonsa
Rhagoletis alternata(?)
Taeniothrips atratus
Thrips flavus

DENMARK:

Ceratitis pectinicornis
Endelomyia aethiops
Gelechia ericetella
Helicella candidula
Mamestra brassicae
Phytomyza rufipes
Plemiella acicina
Taeniothrips atratus
Thrips flavus
T. major
Ulopa reticulata

DOMINICA:

Anastrepha mombinpraeoptans
Vinsonia stellifera

DOMINICAN REPUBLIC:

Aganactesis indecora
Altocassis spinosus
Anastrepha mombinpraeoptans
A. ocrea
A. suspensa
Ancylostomia stercorea
Crenidorsum stigmaphylli
Cylas formicarius elegantulus
Dialeurodes citrifolii
Dysdercus andreae
Frankliniella sulphurea
Maruca testulalis
Meridryias progenies
Mimosestes dominicanus
Pectinophora gossypiella
Pheidole megacephala
Sphenarches caffer
Talponia batesi
Vinsonia stellifera

ECUADOR:

Aleurocanthus woglumi
Anastrepha mombinpraeoptans
Aspidiottus destructor
Coccus viridis

Draeculacephala clypeata
Eucalendra setulosa
Metamasius hemipterus sericeus
Platocetcius symmicta
Porphyrobaphe iostoma
Prepiella aurea
Pseudoparlatoria serrulata
Solaropsis monile
Stenoma catenifer
Unaspis citri

EL SALVADOR:

Anastrepha mombinpraeoptans
A. striata
Aulacaspis tubercularis
Miogryllus convolutus
Protopeltinia pyriformis
Stenoma catenifer
Vinsonia stellifera

ENGLAND:

Blennocampa pusilla
Bruchidius villosus
Bruchus rufipes
Cladus pectinicornis
Dialeurodes chittendeni
Eriophyes canestrinii
Euleia heraclei(?)
Frankliniella intonsa
Gelechia ericetella
Gracilaria azaleella
Helicella caperata
Lygus rugulipennis
Merodon equestris
Milax gagates
Pearlius azaleae
Pectinophora malrella
Phytomyza rufipes
Sitona hispidula
Spanioneura fonscolombi
Steneotarsoneurus laticeps
Taeniothrips atratus
T. ericae
Thrips angusticeps
T. flavus
T. major
T. pilicchi
Tipula paludosa
Trogoderma granarium

ENIWETOK:

Furcaspis oceanica

ETHIOPIA:

Ceratitis rubivora

EUROPE (country(?)):

Ceratitis capitata
Dacus oleae
Frankliniella intonsa
Limothrips denticornis
Rhagoletis cerasi
Taeniothrips atratus
T. dianthi
Thrips angusticeps
T. flavus

FEDERATION OF MALAYSIA:

Aspidiottus palmae
Caltosobruchus analis
Trogoderma granarium

FEDERATION OF MALAYSIA(?):

Leucinodes orbonalis

FEDERATION OF RHODESIA AND NYASALAND:

Ceratitis capitata

FIJI:

Achaea janata
Figulus foreicollis
Incisitermes repandus
Pheidole megacephala
"Targonia" hartii
Unaspis yanonensis
Xylopsocus castanoptera

FINLAND:

Ardis sulcata
Frankliniella intonsa
Thrips flavus
T. major

FORMOSA:

Achatina fulica

Countries of Origin and Insects—Continued

FORMOSA—Continued

Brevipalpus obovatus
Parlatoria zizyphus
Stephanoderes hampei
Trogoderma granarium

FRANCE:

Acrolepia assectella
Anuraphis cardui
Asterolehmis carpini
Bibio hortulanus
Bruchus ervi
B. lentsis
B. rufipes
B. tristiculus
B. viciae
Ceratitis capitata
Cochlicella barbara
Curculio elephas
Dacus oleae
Euleia heraclei
Evergestis forficalis
Frankliniella intonsa
Geomyza tripunctata
Gortyna flava
Gracilaria azaleella
Helicella caperata
H. maritima
H. variabilis
Helix aspersa
Helula undulata
Laspeyresia splendana
Liochoris tripusculatus
Mamestra brassicae
Milax gagates
Monacha cantiana
M. carthusiana
Myzus ascalonicus(?)
Periphyllus aceris
Phytomyza rufipes
Pieris brassicae
Rhagoletis cerasi
Theba pisana
Thrips angusticeps
T. flavus
Trogoderma granarium
Udea ferrugalis

FRANCE(?)

Agriphila latistria
FRENCH GUIANA:
Vinsonia stellifera
GERMANY:
Aceria rufidis
Acrolepia assectella
Adoxophyes reticulana
Anuraphis cardui
Ardis sulcata
Arge ochropus
Arianta arbustorum
Blastodacna atra
Bruchidius villosus
Bruchus ervi
B. lentsis
B. rufipes
Chionaspis salicis
Cladus pectinicornis
Forficula pubescens
Frankliniella intonsa
Gelechia ericella
Haplothrips aculeatus
Helicella pyramidata
Helix pomatia
Neuroterus tricolor
Phytomyza rufipes
Retinella hammonis
Rhagoletis cerasi
Taeniothrips atratus
T. dianthi
T. ericae
Thrips flavus
T. major
Tipula scripta
Trogoderma granarium
Ulopa reticulata
GHANA:
Acrosternum heegeri
Leucinodes orbonalis

"Turgonia" hartii

GREECE:
Acanthoscelides spinipes
Bruchus dentipes
B. ervi
B. lentsis
B. synaticornis
B. tristiculus
B. tristis
B. ulicis
Ceratitis capitata
Cochlicella barbara
Cryptolabes gnidiella
Curculio elephas
Dacus oleae
Ectomyelois ceratoniae
Euphyllura olivina
Helicella cretica
H. littoralis(?)
H. maritima
H. variabilis

Laspeyresia splendana
Liodontomerus papaveris
Lycus africanus
Monacha olivieri
Monosteira unicostata
Otala vermiculata
Oxyacanthus hyalinipennis
Parlatoria zizyphus
Prays oleellus
Schneidereria pistaciella
Sesamia cretica
Thrips angusticeps
T. major
Udea ferrugalis

GRENADA:

Ancylostomia stercoreum
Pectinophora gossypiella

GUAM:

Adoretus sinicus
Araecerus cumingi
Aspidiota palmae
Caryedon gonagra
Pentalonia nigronervosa
Spodoptera mauritia acronyctoides

GUATEMALA:

Anastrepha mombinpraeoptans
Aulacaspis tubercularis
Chrysomphalus albopectus
Diorymerellus laevimargo
Fulitus anthocorides
Gnorimoschema gudamannella
Iridomyrmex iniquus
Limar marginatus
Metamasius hemipterus hemipterus
M. hemipterus sericeus
Myrmecophila americana
Pentalonia nigronervosa
Pseudischnaspis longissima
Pseudoparlatoria serrulata
Stenoma catenifer
Unapis citri
Vinsonia stellifera
Zeadiaatra lineaolata

HAITI:

Anastrepha mombinpraeoptans
Ancylostomia stercoreum
Cryptotermes brevis
Cylas formicarius elegantulus
Diaprepes abbreviatus
D. abbreviatus var.
Haplothrips gowdeyi
Helix aspersa
Jadera pyrrholoma
Parlatoria zizyphus
Pectinophora gossypiella
Pheidole megacephala
Trogoxylon aequale
Vinsonia stellifera

HAWAII:

Achaea janata
Adoretus sinicus
Araecerus levipennis
Aspidiota herculeanus
Asterolecanium bambusae
Bradybaena similaris

Countries of Origin and Insects—Continued

HAWAII—Continued

Caryedon gonagra
Ceratitis capitata
Ceroplastes rubens
Coccus viridis
Conoderus exsul
Conotelus mexicanus
Coptotermes formosanus
Cryptotephritis illepida
C. ombrodelta
Cryptotermes brevis
Cyane terpischorella
Dacus cucurbitae
D. dorsalis
Dialeurodes kirkaldyi
Diocalandra taitensis
Ectomyelois ceratoniae
Eusceps postfasciatus
Graptostethus manillensis
Lampides boeticus
Lepidosaphes tokionis
Limax marginatus
Maruca testulalis
Modococrytus conspersus
Nysius coenosulus
Orchidophilus aterrimus
Oxyphilus alliarius
Oxydema fusiforme
Pectinophora gossypiella
Pentalonia nigronervosa
Perkinsiella saccharicida
Pheidole megacephala
Pholidoforus advena
Pinnaspis buxi
Polydesma umbricola
Polytus mellerborgii
Prays fulvocanellus
Pseudaonidia claviger
Pseudococcus ghani
P. neobrevipes
P. oceanicus
P. palmarum
Pulvinaria psidii
Selenothrips rubrocinctus
Sinocyonlon conigerum
Siphanta acuta
Stator limbatus
S. pruininus
Sternochetus mangiferae
Sybra alternans
Taeniothrips hawaiiensis
Xiphidiopsis lita
Xylothrips religiosus

HONDURAS:

Aleuroplatus variegatus
Cerconota anomella
Laemellatris micra
Lygaeus pulchellus
Metamasius hemipterus sericeus
Pheidole megacephala
Stenoma catenifer
Zamagiria dixophella

HONG KONG:

Cylas formicarius var.
C. formicarius formicarius
Homoeogryllus japonicus
Lyctus africarus
Parlatoria zizyphus
Trogoderma granarium
Unaspis yanonensis

HONG KONG(?)

Minthea rugicollis

HUNGARY:

Ardis sulcata
Clysiana ambigua
Frankliniella intonosa
Taeniothrips atratus
T. dianthi
T. ericae
Tetranychus viennensis

ICELAND:

Thrips flavus
T. major

INDIA:

Caryedon gonagra
Dacus dorsalis(?)

Dinoderus bifoveolatus
Heterobrychus aequalis
Nephrotettix apicalis
Parlatoria zizyphus
Sinocyonlon analis

S. conigerum
Sternochetus mangiferae
Suidasia medanensis
Syntomis cyanea

Trogoderma granarium
INDONESIA:

Coccus viridis
Genaparlatoria pseudaspidotius

IRAN:

Bruchus dentipes
Trogoderma granarium

IRELAND:

Gelechia ericetella
Oxyphilus alliarius
Retinella hammonis
Steneotarsus nemus laticeps
Taeniothrips atratus
T. ericae
Thrips flavus
T. major
Trichia hispida

ISRAEL:

Aplooneura lenticci
Bruchus tristiculus
Cecidioidea acicula
Ceratitis capitata
Cladius pectinicornis
Dacus oleae
Forficula aetolica
Frankliniella tenuicornis
Oxyacarus hyalinipennis
Parlatoria cinerea
Prodenia litura
Rhagoletis cerasi
Taeniothrips discolor
Thrips flavus
T. major

ITALY:

Acanthoscelides spinipes
Acrolepia assectella
Aleurotrachelus jellenkii
Anuraphis cardui
Aspidiota putearis
Brachycerus albidentatus
B. aigrius
Bruchidius debilis
B. gibus
B. incarnatus
B. meleagrinus
B. unicolor
B. villosus

Bruchus dentipes
B. ervi
B. lentis
B. rufipes
B. rufipes luteicornis
B. signaticornis
B. tristiculus
B. tristis
Cacoecimorpha pronubana
Cenopalpus pulcher
Ceratitis capitata
Cochlicella ventrosa
Cryptoblabes gnidiella
Curculio elephas
C. nucum

Dacus oleae
Depressaria erinaceella
Dyspessus ulula
Ectomyelois ceratoniae
Euleia heraclei(?)
Eupeltis cuspidata
Forficula decipiens
Frankliniella intonosa
Gnorimoschema ocellatella
Helicella pyramidata
H. variabilis

Helix aperta
Hylobius abietis
Lampides boeticus

Countries of Origin and Insects—Continued

ITALY—Continued

Laspeyresia splendana
Limax marginatus
Lobesia botrana
Mamestra brassicae
Megastigmus pistaciae
Milax gagates
Opogona sacchari
Ostrinia nubilalis
Otala lactea
O. vermiculata
Ovatus crataegarius
Parlatoria zizyphus
Pentodon punctatus
Phalonidia zephyraea
Pieris brassicae
Prays oleellus
Pseudopachymerus lallemandi
Retinella hammonis
Rhagoletis cerasi
Rhopalosiphoninus tulipaellus
Schneidereria pistaciella
Sesamia cretica
Sitona humeralis
Sterra inquinata
Theba pisana
Thrips angusticeps
Udea ferrugalis

IVORY COAST:

Dacus cucurbitae

JAMAICA:

Aleurocanthus voglumi
Alloacris spinosus
Anastrepha mombinpraeoptans
Ancylostomia stercorea
Chrysomphalus odontoglossus
Dialeurodes citrifolii
Eusceps postfasciatus
Haplothrips gowdeyi
Helicina neritella
Heterotermes convexinotatus
Limax marginatus
Palaeopus costicollis
Pectinophora gossypiella
Sennius probus(?)
Vinsonia stellifera

JAPAN:

Aleurotuberculatus aucubae
Amatisis consorta
Aonidiella citrina
A. inornata
Aspidiotus diffinis
Brevipalpus obovatus
Eryobius ebari
Callidium rufipenne
Carpocina nipponensis
Ceroplastes ceriferus
Chilo suppressalis
Chlorophorus annularis
Cylas formicarius formicarius
Dichocrocis punctiferalis
Euprostis similis
Frankliniella formosae
Geotomus pygmaeus
Grylloplatpa africana
Haemaphysalis gowdeyi
Holochlora japonica
Hypomeces squamosus
Lamprodes boeticus
Lepidosaphes conchiformis
L. pini
Maruca testulalis
Matsumuraes phaseoli
Myocalandra elongata
Oligonychus perditus
Ostrinia nubilalis
Parlatoria zizyphus
Parnara guttata
Pentamerismus oregonensis
Pheidole megacephala
Polydesma umbricola
Rhopalosiphum rufabdominalis(?)
Spodoptera pecten
Tueniothrips eucharii

“*Targionia*” *hartii*

Teleogryllus nitratius
Tetranychus viennensis
Thrips nigropilosus
Trogoderma granarium
Unaspis citri
U. yanonenensis

JAPAN(?)

Ericita inangulata

JORDAN:

Ceratitis capitata

Eurytoma amygdali

KENYA:

Acrida sulphuripennis
Cylas puncticollis
Gastrimargus brevipes
Homorocoryphus nitidulus
Morphacris fasciata

KENYA(?)

Trogoderma granarium

KOREA:

Trogoderma granarium

KUWAIT:

Trogoderma granarium

KWAJALEIN:

Furcaspis oceanica

Lepidosaphes esakii

LEBANON:

Bruchus ervi
B. lenthis
Ceratitis capitata
Dacus oleae
Trogoderma granarium

LIBERIA:

Ceratitis capitata
Cylas puncticollis
Pectinophora gossypiella

LIBYA:

Cochlicella barbara
C. ventrosa
Helicella pyramidata
Theba pisana

MACAO:

Minthea rugicollis

MADAGASCAR:

Pheidole megacephala

Ulopa hovana

MALTA:

Ceratitis capitata

Parlatoria zizyphus

MEXICO:

Aceria tulipae
Adelopos tantalus
Aleurocanthus voglumi
Aleuroparadozus gardeniae
Aleuroplatus variegatus
Anastrepha ludens
A. mombinpraeoptans
Anechura varia
Anthonomus albolineatus
Arphnus melanotylus
Aspidiotus destructor
A. diffinis
A. excisus
Asterolecanium bambusae
A. epidendri
Batrachedra linaria
Bruchus ervi
Calyptcephala gerstaeckeri
Caryedon gonagra
Carystoides basochesi replana
C. lebbaeus
Chaetanaphothrips orchidii
Chilo loftini
Chrysomphalus albopictus
C. odontoglossus
C. personatus
Cladius isomerus
Coelomerus nigrirostris
Conodelus mexicanus
Conotrachelus aquatae
Cryphula apicata
Cylas formicarius elegantulus
Cylindrocopturus tetralobus(?)

Countries of Origin and Insects—Continued

MEXICO—Continued

<i>Diorymerellus laevimargo</i>	<i>Bruchus lantis</i>
<i>Drymaeus hegewischii</i>	<i>B. viciae</i>
<i>Dysdercus mimus</i>	<i>Cecilioides acicula</i>
<i>D. obliquus</i>	<i>Ceutorhynchus erysimi</i>
<i>Eriopyga fea</i>	<i>Chrysomphalus personatus</i>
<i>Erythrophthrips durango</i>	<i>Dactynotus sonchi</i>
<i>Ethelema sobrina</i>	<i>Dialeurodes chittendeni</i>
<i>Eumaeus debora</i>	<i>Exergestis forficalis</i>
<i>Everes comyntas</i>	<i>Haplothrips aculeatus</i>
<i>Exoptchiomera formosa</i>	<i>Helicella candidula</i>
<i>Galgupha punctifer</i>	<i>H. elegans</i>
<i>Gnorimoschema gudmannella</i>	<i>H. trochoides</i>
<i>Haplothrips clarisetis(?)</i>	<i>Helix aspersa</i>
<i>Helix aspersa</i>	<i>Mamestra brassicae</i>
<i>Hylesia euphemia</i>	<i>Merodon equestris</i>
<i>Iridomyrmex iniquus</i>	<i>Milax gagates</i>
<i>Labia arcuata</i>	<i>Sitona hispidula</i>
<i>Lepidosaphes philococcus</i>	<i>S. lineata</i>
<i>Ligyrocoris nitidicollis</i>	<i>Subulina octona</i>
<i>Loxostege bijidalis</i>	<i>Taeniothrips atratus</i>
<i>Lygaeus pulchellus</i>	<i>Theba pisana</i>
<i>Lygus lineolaris</i>	<i>Thrips flavus</i>
<i>Melanaspis squamae</i>	<i>Trigonophora meticulosa</i>
<i>Micrapate labialis</i>	<i>Trogoderma granarium</i>
<i>M. mexicana(?)</i>	<i>NETHERLANDS(?)</i>
<i>Neoleucinodes elegantalis</i>	<i>Lepidosaphes tubatorium</i>
<i>Otosema odorata</i>	<i>NEVIS:</i>
<i>Ovatus crataegarius</i>	<i>Arcylostomia stercorea</i>
<i>Paracosmia tolteca</i>	<i>NEW GUINEA:</i>
<i>Parisoschoenus expositus</i>	<i>Aspidiotus palmae</i>
<i>P. flavolimbatus</i>	<i>NEW ZEALAND:</i>
<i>Parlatoria cinerea</i>	<i>Austrorottrix postvittana (?)</i>
<i>Pectinophora gossypiella</i>	<i>Tortrix excessana</i>
<i>Phelomerus aberrans</i>	<i>NICARAGUA:</i>
<i>Phelypera distigma</i>	<i>Aleurocanthus woglumi</i>
<i>Phera centrolineata</i>	<i>Anastrepha mombinpraoptans</i>
<i>Praticolella berlandieriana</i>	<i>A. striata</i>
<i>Pseudacysta perseae</i>	<i>Aulacaspis tubercularis</i>
<i>Pseudischaspis boryei(?)</i>	<i>Chrysomphalus calurus</i>
<i>P. longissima</i>	<i>Mumetopia nigrimana</i>
<i>Reticulitermes flavipes</i>	<i>Sogata orizicola</i>
<i>R. tibialis</i>	<i>Stenoma catenifer</i>
<i>Rhinostomus barbirostris</i>	<i>Unaspis citri</i>
<i>Rhynchosphorus palmarum</i>	<i>Zeadiatraea lineolata</i>
<i>Sisamnes contractus</i>	<i>NIGERIA:</i>
<i>Spanogonicus albofasciatus</i>	<i>Ceratitis colae(?)</i>
<i>Stator limbatus</i>	<i>Cylas puncticollis</i>
<i>Stenoma catenifer</i>	<i>Lyctus brunneus</i>
<i>Talponia batesi</i>	<i>Pheidole megacephala</i>
<i>Telenomia prolixa</i>	<i>NORWAY:</i>
<i>Tetranychus cinnabarinus</i>	<i>Argyroplax lacunana</i>
<i>Trialeurodes similis</i>	<i>Gelechia ericetella</i>
<i>T. vitrinellus</i>	<i>Parthenothrips dracaenae</i>
<i>Trochuda raspa(?)</i>	<i>Taeniothrips atratus</i>
<i>Trogoxylo n aequale</i>	<i>T. ericae</i>
<i>T. prostomoides</i>	<i>Thrips flavus</i>
<i>Unaspis citri</i>	<i>OKINAWA:</i>
<i>Xanthochroina bicolor</i>	<i>Parlatoria zizyphus</i>
<i>MOROCCO:</i>	<i>OKINAWA(?)</i>
<i>Achetus hispanicus</i>	<i>Spodoptera mauritia acronyctoides</i>
<i>Bruchus lantis</i>	<i>PAKISTAN:</i>
<i>Ceratitis capitata</i>	<i>Heterobosrychus aequalis</i>
<i>Cochlicella barbara</i>	<i>Oxycarenus hyalinipennis</i>
<i>C. ventrosa</i>	<i>Pectinophora gossypiella</i>
<i>Dictyla nassata</i>	<i>Sinocryphon anale</i>
<i>Gryllus bimaculatus</i>	<i>Trogoderma granarium</i>
<i>Helicella conspurcata</i>	<i>PALMYRA ISLAND:</i>
<i>H. maritima</i>	<i>Selenothrips rubrocinctus</i>
<i>Lygaeus equestris</i>	<i>PANAMA:</i>
<i>L. pandurus</i>	<i>Acanthoscelides armitagei</i>
<i>Parlatoria zizyphus</i>	<i>Anastrepha ludens</i>
<i>Pieris brassicae</i>	<i>A. mombinpraoptans</i>
<i>Rumina decollata</i>	<i>Aencylostomia stercorea</i>
<i>Sphingonotus rubescens</i>	<i>Aspidiotus destructor</i>
<i>Theba pisana</i>	<i>Asterolecanium bambusae</i>
<i>MOZAMBIQUE:</i>	<i>Cerconota anonella</i>
<i>Phaeocatantops decoratus</i>	<i>Cosmopolites sordidus</i>
<i>Tylotropidius gracilipes</i>	<i>Cyclocephala discicollis</i>
<i>NETHERLANDS:</i>	<i>Eusceps postfasciatus</i>
<i>Acrolepia assectella</i>	<i>Fundella pellucens</i>
<i>Adoxophyes reticulana</i>	<i>Genitae panamensis</i>
<i>Ardis sulcata</i>	<i>Liogenys macropelma</i>
<i>Arianta arbustorum</i>	<i>L. quadridentis</i>
<i>Aspidiotus palmae</i>	<i>Maruca testulalis</i>
	<i>Nasutitermes ephratae</i>

Countries of Origin and Insects—Continued

PANAMA—Continued

Stenoma catenifer
Unaspis citri
Vinsonia stellifera
PANAMA(?):
Aeneolamia reducta
PERU:
Acanthoscelides armittagei
Aleurodicus iridescens
Ceratitis capitata
Epinotia a porema
Meschinia perrella
Nasutitermes chaquimayensis
Pentalonia nigronervosa
Stenoma catenifer
Subulina octona

PHILIPPINES:

Aleurotuberculatus jasmini
Aspidiota destructor
Aulacaspis tubercularis
Caryedon gonagra
Chilo suppressalis
Chrysomphalus tingi
Cylas formicarius formicarius
Dacus cucurbitae
D. dorsalis
Dialeurodes kirkaldyi
Heteroboschrysus aequalis
Mimegralla coeruleifrons
Mniothripa lichenigera
Opes pygula
Oxyambulyx substrigilis
Parlatoria citri
P. zizyphus
Pheidole megacephala
Prodenia litura
Pseudococcus lacininus
P. neobrevipes
Suidasia medanensis
Unaspis yanonensis

POLAND:

Blastodacna atra
Frankliniella intonsa
Haplothrips aculeatus
Pezicopia malvella
Rhagoletis cerasi
Taeniothrips atratus
T. dianthi
T. ericae
Thrips flavus

PORTUGAL:

Aphidura pujoli
Bruchus azoricus
B. emarginatus
B. tentis
B. rufipes luteicornis
B. tristiculus
Ceratitis capitata
Cochlicella ventrosa
Cryptoblabes gnidiella
Curculio elephas
Helix aspersa
Laspeyresia splendana
Opoogona sacchari
Ovatia crataegarivus
Rhagoletis cerasi
Sesamia nonagrioides
Theba pisana
Udea ferrugalis

PUERTO RICO:

Aceria pluchaeae
Anastrepha mombinpraeoptans
A. suspensa
Ancylostomia stercorea
Cylas formicarius elegantulus
Diaprepes abbreviatus
Empoasca kraemerii
Eusceps postfasciatus
Euzesta eluta
Geocoris thoracicus
Haplothrips gowdeyi
Maruca testulalis
Metamasius hemipterus hemipterus
Pheidole megacephala
Platynota rostrana

*Sphenarches caffer**Vinsonia stellifera*

REPUBLIC OF SOUTH AFRICA:

Antidiarhinus zamiae

Aspidiota capensis (tentative)

Ceratitis capitata

Dacus oleae

Haplodrips gowdeyi

Phylctinus callosus

Pseudothrips glaucus

Scantius forsteri

Stephanoderes hampei

Theba pisana

REPUBLIC OF THE CONGO:

Apate monachus

Bruchidius unicolor(?)

Heteroboschrys brunneus

Minthea rugicollis

Xyloperthella crinitarsis

X. picea

ST. KITTS:

Anastrepha mombinpraeoptans

Choranthus vitellinus

Deltocephalus maculellus

ST. MARTIN:

Anastrepha mombinpraeoptans

Pheidole megacephala

SCOTLAND:

Cladus pectinicornis

Gelechia ericetella

Taeniothrips atratus

T. ericae

Thrips flavus

SENEGAL:

Caryedon gonagra

Ceratitis capitata

Helicula undalis

Leucinodes orbonalis

Maruca testulalis

SEYCHELLES:

Tropoderma granarium

SIERRA LEONE:

Cylas puncticollis

SPAIN:

Aleurolobus olivinus

Brachycerus algorus

Bruchus lentis

B. rufipes

B. signaticornis

Cacocimorpha pronubana

Cenopalpus pulcher

Ceratitis capitata

Chilo suppressalis

Cochlicella barbara

C. ventrosa

Cryptoblabes gnidiella

Curculio elephas

Dacus oleae

Dyspessa ulula

Ectomyelois ceratoniae

Helicella arigonis

H. caperata

H. conspurcata

H. maritima

H. variabilis

H. virgata

Helix aspersa

Kalotermes flavicollis

Laspeyresia nigricana

L. splendana

Macroglossum stellatarum

Mamestra brassicae

Parlatoria zizyphus

Rhagoletis cerasi

Sesamia cretica

S. nonagrioides

Taeniothrips picipes

Theba pisana

SUDAN:

Tropoderma granarium

SURINAM:

Fundella pellucens

Maruca testulalis

SWEDEN:

Frankliniella intonsa

Countries of Origin and Insects—Continued

SWEDEN —Continued	<i>Helicella itala</i>
<i>Ostrinia nubilalis</i>	<i>H. protea</i>
<i>Taeniothrips atratus</i>	<i>H. pyramidata</i>
<i>Tephritis conura</i>	<i>Helix aspersa</i>
<i>Thrips major</i>	<i>Hymenia perspectalis</i>
SWITZERLAND:	<i>Laspeyresia splendana</i>
<i>Cladius pectinicornis</i>	<i>Liognys macropelma</i>
<i>Curculio elephas</i>	<i>Lycus africanus</i>
<i>C. nucum</i>	<i>Macrosiphum ibarae(?)</i>
<i>Frankliniella intonsa</i>	<i>Marasmia poegalis</i>
<i>Gelechia ericetella</i>	<i>Minthea rugicollis</i>
<i>Laspeyresia splendana</i>	<i>Nephopterix apicalis</i>
<i>Melolontha melolontha</i>	<i>Opeas pumilum</i>
<i>Stenoptilius stigmatodactyla</i>	<i>Ostrinia nubilalis</i>
<i>Thrips flavus</i>	<i>Otala vermiculata</i>
TAHITI:	<i>Oryctopis vittata</i>
<i>Dialeurodes kirkaldyi</i>	<i>Parastictis monoglypha</i>
<i>Morganella longispina</i>	<i>Parlatoria cinerea</i>
<i>Parlatoria cinerea</i>	<i>P. zizyphus</i>
<i>Pulvinaria psidii</i>	<i>Pectinophora gossypiella</i>
THAILAND:	<i>Phytomyza rufipes</i>
<i>Caryedon gonagra</i>	<i>Prodenia litura</i>
<i>Dacus cucurbitae</i>	<i>Pyrototis pryeri</i>
<i>Heteroboschyrus aequalis</i>	<i>Rhagoletis cerasi</i>
<i>Ostrinia nubilalis</i>	<i>Rhynchosphorus palmarum</i>
<i>Oxydema longulum</i>	<i>Sesamia cretica</i>
<i>Parlatoria citri</i>	<i>Sinazydon analis</i>
<i>Trogoderma granarium</i>	<i>Stictone cylindricollis</i>
TORTOLA:	<i>S. hispidula</i>
<i>Anastrepha mombinpraepoptans</i>	<i>Spodoptera mauritia acronyctoides</i>
<i>Eusceps postfasciatus</i>	<i>S. pecien</i>
<i>Melormenis antillarum</i>	<i>Stenoma catenifer</i>
TRINIDAD:	<i>Stephanoderes hampei</i>
<i>Acanthoscelides armigatieri</i>	<i>Sylepta batteata</i>
<i>Aganactesis indecora</i>	<i>Taeniothrips atratus</i>
<i>Ancylostomia stercorea</i>	<i>Theba pisana</i>
<i>Aspidiota excisus</i>	<i>Thrips angusticeps</i>
<i>Cylas formicarius elegantulus</i>	<i>T. flavus</i>
<i>Eusceps postfasciatus</i>	<i>T. major</i>
<i>Sphenarches caffer</i>	<i>T. pilicchi</i>
<i>Vinsonia stellifera</i>	<i>Trogoderma granarium</i>
TURKEY:	<i>Unaspis yanonenensis</i>
<i>Bruchus ervi</i>	<i>Vinsonia stellifera</i>
<i>B. lenthis</i>	
<i>Helicella cretica</i>	URUGUAY:
<i>H. derbentina</i>	<i>Ceratitis capitata</i>
<i>H. protea</i>	
<i>H. variabilis</i>	VENEZUELA:
<i>Helix figulina</i>	<i>Asterolecanium epidendri</i>
<i>Monacha olivieri</i>	<i>Cryptoblabes gnidiella</i>
<i>Otala vermiculata</i>	<i>Epinotia aporema</i>
<i>Rhagoletis cerasi(?)</i>	<i>Nasutitermes corniger</i>
UNION OF SOVIET SOCIALIST REPUBLICS:	<i>Pectinophora gossypiella</i>
<i>Haplothrips tritici</i>	<i>Stenoma catenifer</i>
UNITED ARAB REPUBLIC:	
<i>Bruchus lenthis</i>	VIETNAM:
<i>Ceratitis capitata</i>	<i>Cryptophlebia ombrodelta</i>
<i>Gnorimoschema ocellatella</i>	<i>Heteroboschyrus aequalis</i>
UNKNOWN:	<i>Parlatoria citri</i>
<i>Achaea janula</i>	<i>P. zizyphus</i>
<i>Aethus indicus</i>	
<i>Anastrepha mombinpraepoptans</i>	WAKE ISLAND(?) :
<i>Ancylostomia stercorea</i>	<i>Parlatoria zizyphus</i>
<i>Argo ochropus</i>	
<i>Asterobemisia carpini</i>	WEST AFRICA:
<i>Brevipalpus chilensis</i>	<i>Carpedon gonagra</i>
<i>Bruchus ervi</i>	<i>Cordylomera spinicornis(?)</i>
<i>B. lenthis</i>	<i>Heteroboschyrus brunneus</i>
<i>Caryedon gonagra</i>	<i>Pachybrachis albocinctus</i>
<i>Ceratitis capitata</i>	<i>Xyloperthella picea</i>
<i>Ceroplastes rubens</i>	<i>Xyloperthodes nitidipennis(?)</i>
<i>Chalciope hyppasia</i>	
<i>Chrysomphalus personatus</i>	WEST INDIES (island?) :
<i>Clytiana ambiguella</i>	<i>Aeneolamia reducta</i>
<i>Cochlicella ventrosa</i>	<i>Ancylostomia stercorea</i>
<i>Cryptoblabes gnidiella</i>	<i>Euzestia eluta</i>
<i>Diabrotica speciosa</i>	
<i>Diataraxia olereacea</i>	WEST PACIFIC:
<i>Dyspessa ulula</i>	<i>Pentalonia nigronervosa</i>
<i>Ectomyelois ceratoniae</i>	<i>Spodoptera mauritia acronyctoides</i>
<i>Eucalymnatus tessellatus</i>	<i>Utehesia pulchella</i>
<i>Euzestia eluta</i>	
<i>Frankliniella intonsa</i>	YUGOSLAVIA:
<i>F. sulphurea</i>	<i>Bruchidius marginalis</i>
<i>Geniates panamensis</i>	<i>Bruchus rufipes</i>
	<i>B. tristis</i>
	<i>Cryptoblabes gnidiella</i>
	<i>Curculio elephas</i>
	<i>Opoenia sacchari</i>
	<i>Otala lactea</i>
	<i>Taeniothrips atratus</i>
	ZANZIBAR:
	<i>Sinazydon conigerum</i>

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump- tion	Nonen- emy	Propaga- tion	
<i>†Alternaria zinniae</i> Pape: <i>Zinnia</i> sp. (seed)-----	Italy-----			1	N.J.
<i>†Anthostomella leucobasis</i> Ell. & Mart.: <i>Chamaedorea</i> sp. (palm) leaf-----	Mexico-----	1			Tex.
<i>†Aphelenchoides blastophthorus</i> Franklin, 1952: <i>Convallaria majalis</i> (lily-of-the-valley)-----	Denmark-----			1	N.Y.
<i>†Aphelenchoides parietinus</i> (Bastian, 1865) Stein- er, 1932: Soil with <i>Samanea saman</i> (raintree saman) log-----	Fiji-----	1			Hawaii.
<i>Ascochyta citri</i> Penz.: <i>Citrus limon</i> (lemon)-----	†Federation of Malaysia, unknown.		2		Calif.*
<i>C. sinensis</i> (sweet orange)-----	Japan-----		2		Calif.*
<i>Ascochyta sorghina</i> Sacc.: <i>Sorghum vulgare</i> (sorghum)-----	Mexico-----	1			Tex.
<i>Botryosphaeria berengeriana</i> de N. var. <i>araucariae</i> Sacc. (<i>Dothiorella araucariae</i> stage): <i>Araucaria angustifolia</i> (Parana araucaria) seed-----	Republic of South Africa.			1	N.Y.
<i>†Camarosporium ellipticum</i> Cke. & Harkn.: <i>Mesembryanthemum linguiforme</i> (stem)-----	do-----	1			N.Y.
<i>†Carnation mottle virus:</i> <i>Dianthus Caryophyllus</i> (carnation)-----	Italy-----			1	N.J.
<i>Cercospora angraei</i> Feuill. & Roum.: <i>Odontoglossum</i> sp. (orchid) leaf-----	England-----			1	N.J.
<i>Cercospora brachiata</i> Ell. & Ev. (Syn.: <i>C. canes- cens</i>): <i>Phaseolus vulgaris</i> cv. (string bean)-----	Puerto Rico-----	3			P.R.
<i>†Cercospora insulana</i> Sacc.: <i>Limonium sinuatum</i> (notchleaf sea-lavender) stem and leaf-----	Haiti-----	1			Fla.
<i>†Cercospora jujubae</i> Chowdhury: <i>Ziziphus jujuba</i> (common jujube) leaf-----	Thailand-----			1	Fla.
<i>Cercospora kalmiae</i> Ell. & Ev.: <i>Kalmia latifolia</i> (mountain-laurel kalmia) leaf-----	Europe (country(?))-----		4		N.Y.
<i>†Cercospora longissima</i> Sacc.: <i>Lactuca sativa</i> (lettuce) leaf-----	British Honduras-----	1			Fla.
<i>Chrysomyza ledi</i> d By. var. <i>rhododendri</i> (d By.) Savile: <i>Rhododendron ferrugineum</i> (rock rhododen- dron) leaf-----	Switzerland-----	9			N.Y.
<i>Rhododendron</i> sp-----	Austria, †Norway(?), Switzerland-----	19			Fla., N.Y.
<i>†Coccostroma chamaedoreae</i> (Syd.) Arx & Müller: <i>Chamaedorea</i> sp. (palm) leaf-----	Mexico-----	1			Tex.
<i>†Coniothecium scabrum</i> McAlp.: <i>Citrus sinensis</i> (sweet orange)-----	Mexico, Republic of South Africa, Spain.	1	2		Calif.,* Hawaii, N.C.
<i>†Corynespora cassiicola</i> (Berk. & Curt.) Wei: <i>Lycopersicon esculentum</i> (tomato)-----	Guatemala-----	1			Fla.
<i>†Criconema celeatum</i> Wu, 1960: Soil with <i>Camellia</i> sp-----	Portugal-----			1	N.Y.
<i>†Criconema fimbriatum</i> Cobb in Taylor, 1936: Soil with <i>Begonia</i> sp-----	Mexico-----			1	Tex.
<i>Criconemooides curvata</i> Raski, 1952: Soil with <i>Begonia</i> sp-----	Argentina-----			1	N.Y.
Soil with <i>Camellia</i> sp-----	†Portugal-----			1	N.Y.
Soil with <i>Mentha</i> sp-----	Mexico-----			1	Tex.
<i>†Criconemooides informe</i> (Micoletzky, 1922) Tay- lor, 1936: Soil with <i>Fagus</i> sp. and <i>Picea</i> sp-----	Germany-----			1	Calif.*
<i>Criconemooides mutabile</i> Taylor, 1936: Soil with <i>Amaryllis</i> sp. (bulb)-----	Mexico-----			1	Tex.
Soil with <i>Dantia</i> hybrid-----	do-----			1	Ariz.
Soil with <i>Mangifera indica</i> (mango) seedling-----	do-----			1	Tex.
Soil with unidentified plants-----	do-----			1	Tex.
<i>Cronartium ribicola</i> Fisch. v. Waldh.: <i>Ribes</i> sp. (leaf)-----	Germany-----			1	Mass.

See footnotes at end of table.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump- tion	Nonentry	Propaga- tion	
<i>Cryptospora longispora</i> Servazzi: <i>Araucaria excelsa</i> (seed)	Unknown-----			1	N.J.
<i>Cumminsiella mirabilissima</i> (Pk.) Nannf.: <i>Mahonia aquifolium</i> 'Darkpurple' (leaf)	Netherlands-----			1	N.Y.
<i>Cylindrosporitus castaneae</i> (Lév.) Krenner: <i>Castanea</i> sp. (chestnut) plant	Italy-----			1	N.Y.
<i>Diaporthe eres</i> Nits. (<i>Phomopsis pterophila</i> stage): <i>Fraxinus excelsior</i> 'Weeping' (weeping European ash) seed	do-----			1	N.J.
<i>Ditylenchus dipsaci</i> (Kühn, 1857) Filipjev, 1936: <i>Narcissus</i> sp. (bulb)	England-----			2	N.J.
<i>Dothiorella barringtoniae</i> (Cke. & Massee) Petr. & Syd.: <i>Barringtonia speciosa</i> (India barringtonia) seed pod	Hawaii-----	1			Calif.*
† <i>Dothiorella eucalypti</i> (Berk. & Br.) Sacc.: <i>Eucalyptus</i> sp. (leaf)	Australia-----	1			N.Y.
‡ <i>Echidnella guatemalensis</i> Bat. et al: <i>Annona muricata</i> (soursop) leaf	Dominican Republic-----	1			N.Y.
<i>Elsinoe australis</i> Bitanc. & Jenkins: <i>Citrus aurantifolia</i> (sour lime)	Argentina, Brazil-----	1	14		Calif.* Fla. Ala., Calif.,* Fla., La., N.Y., Pa., P.R.
<i>C. limon</i> (lemon)	Argentina, Brazil, Uruguay-----	3	20		N.Y.
<i>C. paradisi</i> (grapefruit)	Paraguay-----		1		N.Y.
<i>C. reticulata</i> (Mandarin orange)	Argentina, Brazil, South America (country(?)), un- known, Uruguay-----	9	38		Ala., Calif.,* Fla., La., N.Y., Pa., P.R.
<i>C. reticulata</i> cv.	Argentina, South America (country(?)), unknown-----	1	13		N.Y.
<i>C. sinensis</i> (sweet orange)	Argentina, Brazil, Paraguay, South America (country(?)), unknown, Uruguay-----	15	94		Ala., Calif.,* Fla., Ga., Hawaii, La., Md., Mass., N.Y., Pa., P.R., Tex.
<i>Elsinoe mangiferae</i> Bitanc. & Jenkins: <i>Mangifera indica</i> (mango)	†Costa Rica, Dominican Republic, Jamaica, Mexico, Puerto Rico, un- known-----	22	1		Fla., P.R., Tex.
† <i>Elsinoe rosarum</i> Jenkins & Bitanc.: <i>Rosa</i> hybrid (leaf)	Italy-----	1			N.Y.
† <i>Fusarium avenaceum</i> (Fr.) Sacc.: <i>Triticum aestivum</i> (wheat) seed	France-----	1			N.J.
† <i>Fusarium nivale</i> Ces.: <i>Triticum aestivum</i> (wheat) seed	do-----	1			N.J.
† <i>Fusicladium pyracanthae</i> (Otth) Rostr.: <i>Pyracantha atalantoides</i> (firethorn)	Germany-----		1		D.C.
“Greasy spot”: <i>Citrus reticulata</i> (Mandarin orange)	†Argentina-----		1		Fla.
<i>Citrus</i> sp.	Dominican Republic, †Haiti, Mexico-----	6			Fla., N.Y., Tex.
† <i>Guignardia bidwellii</i> (Ell.) Viala & Ravaz (<i>Phyllosticta</i> stage): <i>Vitis</i> sp. (grape) leaf	Honduras-----	1			Fla.
<i>Guignardia citricarpa</i> Kiely (<i>Phoma</i> stage): <i>Citrus aurantifolia</i> (lime)	Vietnam-----	1			Hawaii.
<i>C. aurantium</i> (sour orange)	Japan-----		5		Calif.,* Wash.
<i>C. grandis</i> (pummelo)	Japan, Thailand-----	1	1		Calif.*
<i>C. limon</i> (lemon)	Australia, Formosa, India(?), Japan, Republic of South Africa, unknown-----	2	59		Calif.,* Fla., Hawaii, N.Y., Oreg., Pa., S.C., Tex., Va.
<i>C. paradisi</i> (grapefruit)	Australia, China(?), Japan, Republic of South Africa, Tahiti (?), unknown-----	1	13		Calif.,* Fla., Hawaii, N.Y., Pa. S.C.

See footnotes at end of table.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-	Nonenem-	Propaga-	
<i>Guignardia citricarpa</i> Kiely—Continued					
<i>C. reticulata</i> (Mandarin orange)-----	Australia, China, Formosa, Hong Kong, Japan, Okinawa, Philippines, unknown, Vietnam.	111	6	----	Calif.,* Hawaii, Pa., S.C., Tex., Wash.
<i>C. sinensis</i> (sweet orange)-----	Australia, Brazil, China, Formosa, Hong Kong, Japan, Republic of South Africa, unknown.	56	260	----	Calif.,* Fla., Ga., Hawaii, La., Md., Mass., N.Y., N.C., Pa., S.C., Tex., Wash.
<i>Citrus</i> sp. (dried peel)-----	China, Hong Kong, Japan, Pakistan, unknown.	40	----	----	Calif.,* Fla., N.Y. Tex., Wash.
<i>Gymnosporangium</i> <i>harkaeum</i> Syd.: <i>Juniperus chinensis</i> (pyramid Chinese juniper) dwarf tree.	Japan-----	-----	-----	1	Calif.*
<i>Helicotylenchus</i> <i>mannus</i> Steiner, 1945: (Syn.: <i>H. dihystera</i>)					
Soil with <i>Allium</i> sp. (onion)-----	Mexico-----	1	-----	-----	Tex.
Soil with plants (<i>Begonia</i> sp., <i>Caladium</i> sp., <i>Chamaedorea</i> sp., <i>Coleus</i> sp., <i>Dracaena</i> sp., <i>Euphorbia</i> sp., <i>Milii</i> , <i>Mangifera</i> <i>indica</i> , <i>Mentha</i> sp., and unidentified plants).	Argentina, Brazil, fHawaii, fJapan, Mexico, fPhilippines-----	-----	1	15	Hawaii, N.Y. Tex.
† <i>Helminthosporium</i> <i>cynodontis</i> Marig.: <i>Cynodon dactylon</i> (Bermuda grass) stolon-----	India-----	-----	-----	1	D.C.
<i>Cynodon</i> sp. (dogtooth grass) stolon-----	Republic of South Africa-----	-----	-----	1	D.C.
† <i>Hemicronemoides mangiferae</i> Siddiqi, 1961:					
Soil with <i>Coleus</i> sp.-----	Mexico-----	-----	-----	1	Tex.
<i>Heterodera</i> <i>avenae</i> Wollenweber, 1924:	France-----	1	-----	-----	N.Y.
Soil with automobile-----	Germany-----	-----	-----	1	Ill.
Soil with <i>Dahlia</i> hybrid-----					
<i>Heterodera</i> <i>punctata</i> Thorne, 1928:					
Soil with automobile-----	England, Europe (country(?)), Germany-----	5	-----	-----	Calif.,* Fla., N.Y., Tex.
Soil with plants (<i>Calluna vulgaris</i> , <i>Cissus</i> sp., grass, succulent, and unidentified plants).-----	Czechoslovakia, England, Germany, Ireland, Mexico, Norway, Scotland, Sweden, unknown.	-----	2	9	Ariz., Fla., Ill., Mich. N.Y.
Soil with stores (<i>Apium graveolens</i> var. <i>dulce</i> , <i>Amoracia lapathifolia</i> , and <i>Solanum tuberosum</i>).-----	England, Germany-----	-----	3	-----	Calif.,* La., N.Y.
<i>Heterodera</i> <i>rostochiensis</i> Wollenweber, 1923:					
Soil with <i>Allium sativum</i> (garlic)-----	Peru-----	3	-----	-----	N.Y.
Soil with automobile-----	England, Germany-----	2	-----	-----	La., Pa.
Soil with plants (<i>Amarillys</i> sp., cactus, <i>Calluna vulgaris</i> , <i>Dahlia</i> hybrid, <i>Fragaria</i> sp., grass, <i>Hedera helix</i> , <i>Pimula</i> sp., <i>Prunus</i> sp., <i>Rubus</i> sp., <i>Salvia officinalis</i> , <i>Sedum</i> sp., <i>Trifolium</i> , <i>repens</i> cv., unidentified plants, and <i>Zantedeschia</i> sp.).-----	England, Germany, Ireland, Northern Ireland, Scotland, Sweden, unknown.	-----	19	-----	Calif.,* Fla., Ill., Md., Mass., Mich., N.J. N.Y.
Soil with <i>Solanum</i> spp. (tubers)-----	South America (country(?))-----	-----	-----	1	D.C.
Soil with stores (<i>Apium graveolens</i> var. <i>dulce</i> , <i>Daucus carota</i> var. <i>sativa</i> , and <i>Solanum tuberosum</i>).-----	Argentina, Canary Islands, England, Netherlands, Norway.	-----	6	-----	Calif.,* Fla., Mich.
Soil with <i>Trifolium</i> repens cv. (shamrock) leaf-----	Ireland-----	-----	1	-----	Ill.
† <i>Hypoxylon</i> <i>folicola</i> J. H. Miller:					
<i>Chamaedorea elegans</i> (palm) leaf-----	Mexico-----	-----	1	-----	Tex.
<i>Chamaedorea</i> sp. (leaf)-----	do-----	-----	3	-----	Tex.
† <i>Lacistema</i> <i>graminicola</i> Sacc.: <i>Panicum maximum</i> (Guinea grass)-----	do-----	-----	1	-----	Tex.
† <i>Leprieurina</i> <i>winteriana</i> Arn.: <i>Annona muricata</i> (soursop) leaf-----	Dominican Republic-----	-----	1	-----	N.Y.
<i>Leptosphaeria</i> <i>proteinum</i> Syd.: <i>Protea cynaroides</i> (honeypot protea) leaf-----	Republic of South Africa, do-----	-----	1	-----	N.Y.
<i>Protea</i> sp. (leaf)-----	do-----	-----	2	-----	Mass., N.Y.

See footnotes at end of table.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Macrophoma araucariae</i> De Lac.:					
<i>Araucaria cookii</i> (seed).....	New Zealand.....			1	Calif.*
<i>A. cunninghamii</i> (Cunningham araucaria) seed.....	New Guinea, New Zealand.....			4	Calif.*
<i>A. klinkii</i> (seed).....	New Guinea.....			1	Calif.*
<i>Macrophoma dalmatica</i> (Thuem.) Berl. & Vogl.:					
<i>Olea europaea</i> (olive).....	Lebanon.....	1			N.Y.
<i>Macrophoma musae</i> (Cke.) Berl. & Vogl.:					
<i>Musa</i> × <i>paradisiaca</i> (banana).....	†Formosa, Hawaii.....	1	1		Calif.*
<i>Macrophoma oleae</i> (D.C.) Berl. & Vogl.:					
<i>Olea europaea</i> (olive).....	Italy.....	1			N.Y.
† <i>Melanconium palmarum</i> Cke.:					
<i>Chamaedorea</i> sp. (palm) leaf.....	Mexico.....	1			Tex.
† <i>Meliola butleri</i> Syd.:					
<i>Citrus reticulata</i> (Mandarin orange).....	Philippines.....	1			Hawaii.
<i>Meloidogyne arenaria</i> (Neal, 1889) Chitwood, 1949:					
<i>Alocasia</i> sp. (root).....	Mexico.....			2	Tex.
<i>Coriandrum sativum</i> (?) (root).....	†Nicaragua.....			1	Fla.
Plant—unidentified (root).....	do.....			1	Fla.
<i>Solanum tuberosum</i> (potato).....	Brazil.....		1		La.
<i>Zingiber officinale</i> (ginger) root.....	†Nicaragua.....			1	Fla.
<i>Meloidogyne hapla</i> Chitwood, 1949:					
<i>Anemone japonica</i> (Japanese anemone) root.....	Germany.....			1	N.J.
<i>Bredia tuberculata</i> (root).....	†Ireland.....			1	D.C.
<i>Clematis</i> hybrid (root).....	Netherlands.....		3		N.Y.
<i>Dahlia</i> hybrid (root).....	Japan.....		1		Hawaii
<i>Impatiens petersiana</i> (Peters snapweed).....	†Ireland.....		1		D.C.
<i>Phyllagathis rotundifolia</i> (Sumatra metallea).....	do.....		1		D.C.
<i>Ranunculus aconitifolius</i> 'Double' (aconite buttercup) root.....	Netherlands.....		1		N.J.
Root—unidentified.....	†Lebanon.....			1	D.C.
<i>Rosa</i> hybrid (root).....	Portugal.....			1	N.J.
<i>Meloidogyne incognita</i> (Kofoid and White, 1919) Chitwood, 1949:					
<i>Begonia</i> sp. (root).....	Mexico.....			1	Tex.
<i>Echeveria</i> sp. (root).....	Republic of South Africa.....			1	Tex.
<i>Gardenia</i> sp. (root).....	Mexico.....			1	Tex.
<i>Lilium</i> sp. (root).....	do.....			1	Ariz.
<i>Meloidogyne incognita acrita</i> Chitwood, 1949:					
<i>Anthurium</i> sp. (root).....	Colombia.....			1	Tex.
<i>Begonia multiflora</i> 'Helen Haerens' (tuber).....	Netherlands.....			1	N.J.
<i>Begonia</i> sp. (root).....	Costa Rica.....			1	Fla.
<i>Caladium</i> sp. (root of bulb).....	Guatemala.....			1	Tex.
<i>Callopis volkensii</i> (root).....	England.....			1	D.C.
<i>Gerbera</i> sp. (root).....	Trinidad.....			1	Fla.
<i>Ipomoea batatas</i> (sweetpotato).....	Japan.....		1		Calif.*
<i>Lactuca sativa</i> (lettuce) root.....	†Senegal.....		1		Mass.
<i>Ornithogalum thyrsoides</i> (Cape chinkerichee) root of bulb.....	Republic of South Africa.....		1		N.J.
<i>Philodendron</i> sp. (root).....	Mexico.....			1	Tex.
<i>Yucca</i> sp. (root).....	do.....			1	Tex.
<i>Meloidogyne incognita incognita</i> (Kofoid and White, 1919) Chitwood, 1949:					
<i>Ornithogalum thyrsoides</i> (Cape chinkerichee) root of bulb.....	Republic of South Africa.....			1	N.J.
<i>Meloidogyne javanica</i> (Treub, 1885) Chitwood, 1949:					
<i>Canna</i> sp. (root).....	Mexico.....			1	Tex.
<i>Dieffenbachia amoena</i> (root).....	do.....			1	Tex.
<i>Ornithogalum thyrsoides</i> (Cape chinkerichee) root of bulb.....	Republic of South Africa.....			1	N.J.
Plant—unidentified (root).....	†Nicaragua.....			1	Fla.
<i>Solanum tuberosum</i> (potato).....	Brazil.....	2			La.
<i>Microsphaera alni</i> Wint.:					
<i>Ledum</i> sp. (?) (leaf).....	Canada.....			1	Wash.
† <i>Microthyrium laurentii</i> P. Henn.:					
<i>Coffea</i> sp.:	Mexico.....	2			Ariz.
<i>Monilia fructigena</i> (Aderh. & Ruhl.) Honey:					
<i>Malus sylvestris</i> (apple).....	†Switzerland.....	1			Calif.*
<i>Prunus domestica</i> (plum).....	Germany.....	1			Calif.*
<i>Prunus</i> sp. (cherry).....	France, Italy, Spain	3			N.Y., Pa.

See footnotes at end of table.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in
		Consump-tion	Nonentry	Propaga-tion	
<i>Mycosphaerella advena</i> Syd.: <i>Chamaedorea</i> sp. (palm) stem	Mexico	1	—	—	Tex.
<i>Mycosphaerella colorata</i> Ell. & Ev. (<i>Phyllosticta kalmica</i> stage): <i>Kalmia latifolia</i> (mountain-laurel kalmia)	Europe (country(?)	—	3	—	N.Y.
<i>Mycosphaerella schoenoprasii</i> (Ces. & de N.) Schröet.: <i>Allium cepa</i> (onion) top	Japan, Sweden	—	3	—	Calif.*
<i>A. porrum</i> (leek) top	Japan	—	7	—	Calif.*
<i>Allium</i> sp.	do	—	1	—	Calif.*
† <i>Mycosphaerella tetraspora</i> Seaver: <i>Commelina</i> sp. (dayflower) leaf	Puerto Rico	—	—	1	P.R.
† <i>Myicopron orchidearum</i> (Mont.) Sacc.: <i>Epidendrum</i> sp. (orchid)	Canal Zone	—	—	1	Hawaii.
<i>Neovossia horrida</i> (Tak.) Padw. & A. Khan (Syn. of <i>Tilletia horrida</i>): <i>Oryza sativa</i> (rice) hulls and straw	Japan	—	128	—	Calif.*
† <i>Phaeosphaerita oryzae</i> Miyake: <i>Oryza sativa</i> (rice)	Mexico	—	—	1	Tex.
<i>Phakopsora gossypii</i> (Arth.) Hirat. f.: <i>Gossypium</i> sp. (cotton) leaf	Haiti, Jamaica	2	—	—	Fla., N. Y.
<i>Phakopsora jatrophicola</i> Cumm.: <i>Jatropha curcas</i> (Barbados-nut) leaf	Dominican Republic	1	—	—	Fla.
<i>J. gossypifolia</i> (bellyache nettlespurge) leaf	Dominican Republic, †Haiti, †Nicaragua	5	—	—	Fla.
<i>Phoma cajani</i> Rangel: <i>Cajanus cajan</i> (pigeonpea)	†Dominican Republic, †Jamaica, Puerto Rico	3	—	—	Fla., P.R.
<i>Phoma samararum</i> Desm.: <i>Fraxinus</i> sp. (ash) samara	Norway	—	—	1	Wash.
<i>Phomopsis cocos</i> Petch: <i>Cocos nucifera</i> (coconut) nut cap	Hawaii, Philippines	1	1	—	Calif.*
<i>Phomopsis conorum</i> (Sacc.) Died.: <i>Picea</i> sp. (spruce) seedling	Germany	—	—	1	Calif.*
† <i>Phomopsis detrusa</i> (Sacc.) Died.: <i>Nandina domestica</i> (seed berry)	—	—	—	1	Calif.*
<i>Phyllachora cynodontis</i> (Sacc.) Niessl: <i>Cynodon dactylon</i> (Bermuda grass)	Japan	—	—	1	Calif.*
† <i>Phyllachora graminis</i> (Fr.) Fckl.: Grass—unidentified	India	—	—	1	D.C.
<i>Phylactinia guttata</i> (Fr.) Lév.: <i>Ulmus</i> sp. (elm) leaf	Canada	—	—	1	N.Y.
<i>Phyllosticta aucubicola</i> Sacc.: <i>Aucuba japonica</i> 'Croton'	Mexico	1	—	—	Tex.
† <i>Phyllosticta batatas</i> (Thuem.) Cke.: <i>Ipomoea batatas</i> (sweetpotato) leaf	Belgium	—	—	1	N.J.
† <i>Phyllosticta cocolobae</i> Ell. & Ev.: <i>Coccoloba uvifera</i> (common seagrape) leaf	Puerto Rico	—	—	1	P.R.
† <i>Phyllosticta cocos</i> Cke.: <i>Chamaedorea</i> sp. (palm) frond	do	1	—	—	P.R.
† <i>Phyllosticta coffeeicola</i> Delacr.: <i>Coffea</i> sp. (leaf)	Mexico	1	—	—	Tex.
† <i>Phyllosticta hibiscina</i> Ell. & Ev.: <i>Hibiscus rosa-sinensis</i> (Chinese hibiscus) leaf	Costa Rica	2	—	—	Fla.
† <i>Phyllosticta ilicicola</i> (Cke. & Ell.) Ell. & Ev.: <i>Ilex yunnanensis</i> (Yunnan holly) leaf	Bahamas	—	—	1	Fla.
<i>Phyllosticta ruscicola</i> Dur. & Mont.: <i>Ruscus</i> sp. (butchersbroom)	Mexico(?)	—	1	—	Fla.
† <i>Phyllosticta sorbi</i> West. var. <i>torminalis</i> Grove: <i>Sorbus aucuparia</i> (European mountain-ash) seed	Italy	1	—	—	La.
† <i>Polyporus phocinus</i> Berk.: <i>Samanea saman</i> (raintree saman) log	Belgium	—	—	1	N.J.
<i>Pratylenchus convallariae</i> Seinhorst, 1959: <i>Convallaria majalis</i> (lily-of-the-valley) pip	American Samoa	1	—	—	Hawaii.
<i>Pratylenchus penetrans</i> (Cobb, 1917) Filipjev & Schuurmans Stekhoven, 1941: <i>Dahlia</i> 'Aquila' (root)	Denmark	—	—	1	N.Y.
Soil with <i>Camellia</i> sp.	Republic of South Africa	—	—	1	N.J.
	†Portugal	—	—	1	N.Y.

See footnotes at end of table.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Pseudomonas syringae</i> v. Hall(?) <i>Citrus limon</i> (lemon)-----	Italy, †Portugal, unknown.	2	1	—	Mass., N.Y.
<i>Puccinia buxi</i> DC.: <i>Buxus sempervirens</i> (boxwood) leaf-----	England, Europe (country(?)), France, Ireland, †Switzerland, unknown.	8	47	3	Calif., *Mass., N.Y., Wash.
† <i>Puccinia cyperi</i> Arth.: <i>Cyperus</i> sp. (flat-sedge) leaf-----	Peru-----	1	—	—	Fla.
† <i>Puccinia dochmiae</i> Berk. & Curt. (?): <i>Muhlenbergia</i> sp. (muhly) grass packing-----	Mexico-----	1	—	—	Ariz.
† <i>Puccinia erythropus</i> Diet.: <i>Misanthus sinensis</i> (Chinese silvergrass)-----	Japan-----	—	1	—	Hawaii.
<i>Puccinia horiana</i> P. Henn.: <i>Chrysanthemum leucanthemum</i> (ox-eye daisy)-----	do-----	—	1	—	Hawaii.
<i>C. morifolium</i> (florists chrysanthemum)-----	do-----	5	—	—	Hawaii.
<i>Chrysanthemum</i> sp-----	do-----	6	24	—	Calif., *Hawaii.
† <i>Puccinia iridis</i> Rab.: <i>Iris</i> hybrid (leaf)-----	Austria-----	—	—	1	N.J.
<i>Puccinia longicornis</i> Pat. & Har.: Bamboo (leaf)-----	Japan-----	—	1	—	Wash.
† <i>Puccinia menthae</i> Pers.: <i>Mentha</i> sp. (mint) leaf-----	Haiti-----	1	—	—	Fla.
<i>Puccinia oncidii</i> Cumm.: <i>Oncidium</i> sp. (orchid) leaf-----	Ecuador-----	—	—	2	N.Y.
<i>Puccinia ornithogali-thysoides</i> Diet.: <i>Ornithogalum thyrsoides</i> (Cape chinkericee) stem-----	Republic of South Africa-----	3	—	—	N.J., N.Y.
<i>Puccinia striiformis</i> West.: <i>Triticum aestivum</i> (wheat) straw-----	France-----	1	—	—	Fla.
† <i>Puccinia thalidea</i> Diet.: <i>Canna</i> sp. (leaf)-----	Honduras-----	1	—	—	Fla.
<i>Puccinia urbaniana</i> P. Henn.: <i>Stachytarpheta jamaicensis</i> (Jamaica falsevalerian) leaf-----	†Dominican Repub-lic, Puerto Rico-----	2	—	—	Fla., P.R.
<i>Radopholus similis</i> (Cobb, 1893) Thorne, 1949: <i>Anthurium</i> sp. (root)-----	Hawaii-----	—	—	2	Calif., *Hawaii.
<i>Zingiber officinale</i> (ginger) rhizome-----	do-----	1	—	—	—
<i>Ravenelia spegazziniana</i> Linquist: <i>Acacia</i> sp., prob. <i>farnesiana</i> (sweet acacia)-----	Mexico-----	—	1	—	Ariz.
† <i>Rhizytoma decolorans</i> Fr.: <i>Lyonia</i> sp. (leaf)-----	Nepal-----	—	1	—	D.C.
Rose mosaic: <i>Rosa</i> hybrid-----	Guatemala-----	—	1	—	Fla.
†Rose mosaic-yellow type: <i>Rosa</i> hybrid-----	Haiti-----	1	—	—	Fla.
† <i>Rotylenchus goodeyi</i> Loof and Oostenbrink, 1958: <i>Armoracia lapathifolia</i> (horseradish)-----	England-----	—	1	—	Hawaii.
<i>Rotylenchus robustus</i> (deMan, 1876) Filipjev, 1936: <i>Armoracia lapathifolia</i> (horseradish)-----	do-----	—	1	—	Hawaii.
Soil with <i>Euphorbiaceae</i> (plant)-----	do-----	—	—	1	Md.
† <i>Rotylenchus uniformis</i> (Thorne, 1949) Loof and Oostenbrink, 1958: Soil with <i>Camellia</i> sp.-----	Portugal-----	—	1	—	N.Y.
Soil with "shamrock"-----	Ireland-----	1	—	—	Md.
† <i>Scirrhia rimosa</i> (Alb. & Schw.) Fckl.: <i>Phragmites communis</i> (common reed) mat-----	Austria-----	1	—	—	Ill.
<i>Scutellonema brachyurum</i> (Steiner, 1938) Andrassy, 1958: Liliaceae (plant)-----	†Australia-----	—	1	—	Hawaii.
Soil with bulb-----	Mexico-----	—	2	—	Ariz.
Soil with <i>Gardenia</i> sp. (plant)-----	do-----	—	1	—	Tex.
Soil with Liliaceae (plant)-----	†Japan-----	—	1	—	Hawaii.
Soil with unidentified plants-----	†Hawaii, Mexico-----	—	3	—	Hawaii, Tex.
<i>Septoria citri</i> Pass.: <i>Citrus aurantium</i> (sour orange)-----	Japan-----	—	1	—	Calif., *
<i>C. grandis</i> (pummelo)-----	do-----	—	1	—	Calif., *

See footnotes at end of table.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump- tion	Nonentry	Propaga- tion	
<i>Septoria citri</i> Pass.—Continued <i>C. limon</i> (lemon)-----	Greece, Italy, Spain, unknown.	16	-----	-----	Calif.,* Hawaii, La., N.Y., Ohio, Tex.
<i>C. reticulata</i> (Mandarin orange)-----	Spain, unknown-----	2	-----	-----	Fla., N.Y.
<i>C. sinensis</i> (sweet orange)-----	Greece, †Hong Kong, Japan, Republic of South Africa, Spain.	2	5	-----	Calif.,* Fla., Ohio.
<i>Septoria curvula</i> I. Miyake: <i>Oryza sativa</i> (rice) hulls-----	Japan-----	1	-----	-----	Calif.*
† <i>Septoria miyakei</i> Sacc. & Trav.: <i>Oryza sativa</i> (rice) hulls-----	do-----	2	-----	-----	Calif.*
<i>Septoria oryzae</i> Catt.: <i>Oryza sativa</i> (rice) hulls and straw-----	do-----	37	-----	-----	Calif.*
<i>Sphaceloma fawcettii</i> Bitanc. & Jenkins var. <i>scabiosa</i> (McAlp. & Tryon) Jenkins: <i>Citrus limon</i> (lemon)-----	Australia-----	4	-----	-----	Calif.,* Fla., La., Pa.
† <i>Sphaceloma poinsettiae</i> Jenkins & Ruehle: <i>Euphorbia pulcherrima</i> (common poinsettia) stem and bract-----	Guatemala-----	-----	1	-----	Fla.
<i>Sphaceloma punicae</i> Bitanc. & Jenkins: <i>Punica granatum</i> (pomegranate)-----	Dominican Republic, Mexico.	10	-----	-----	Ariz., P.R., Tex.
<i>Sphaceloma spondiadis</i> Bitanc. & Jenkins: <i>Spondias cytherea</i> (vi-apple)-----	†Guatemala-----	1	-----	-----	La.
<i>S. mombin</i> ("jopo")-----	Barbados-----	1	-----	-----	N.Y.
<i>S. purpurea</i> (purple mombin)-----	†Dominican Republic, †El Salvador.	2	-----	-----	La., N.Y.
<i>Spondias</i> sp-----	†Trinidad-----	1	-----	-----	N.Y.
† <i>Sphaeropsis subglobosa</i> Cke.: <i>Bambusa</i> sp. (bamboo) necklace-----	Unknown-----	1	-----	-----	Fla.
<i>Sphenospora tevorkianii</i> Linder: <i>Cochlioda</i> sp. (orchid) leaf-----	Ecuador-----	1	-----	-----	N.Y.
<i>Diacrium</i> sp. (orchid) leaf-----	Costa Rica-----	1	-----	-----	Calif.*
<i>Epidendrum cochleatum</i> (orchid) leaf-----	Jamaica-----	1	-----	-----	Fla.
<i>E. difforme</i> (leaf)-----	Guatemala-----	3	-----	-----	Fla.
<i>E. stamfordianum</i> (leaf)-----	Canal Zone-----	1	-----	-----	Fla.
<i>Epidendrum</i> sp. (leaf)-----	†Grenada, Haiti, Honduras, Panama.	4	-----	-----	Fla.
<i>Gongora</i> sp. (orchid) leaf-----	Mexico, Peru-----	2	-----	-----	Fla., Tex.
<i>Hunstleya burtii</i> (orchid) leaf-----	Canal Zone, Costa Rica-----	3	-----	-----	Fla.
<i>Ionopsis</i> sp. (?) (orchid) leaf-----	Haiti-----	1	-----	-----	Fla.
<i>Notylia lyrata</i> (orchid) leaf-----	Brazil-----	2	-----	-----	Fla.
<i>Oncidium bicolorosum</i> (orchid) leaf-----	†Surinam-----	1	-----	-----	Fla.
<i>O. turidum</i> (leaf)-----	†El Salvador-----	1	-----	-----	Fla.
<i>O. pusillum</i> (leaf)-----	Guatemala-----	1	-----	-----	Fla.
<i>O. splendidum</i> (leaf)-----	Honduras-----	1	-----	-----	Fla.
<i>Oncidium</i> sp. (leaf)-----	†El Salvador, Haiti, Jamaica, Peru.	5	-----	-----	N.Y.
Orchid (leaf)-----	Bahamas, †British Guiana, Ecuador, Panama.	7	-----	-----	Calif.,* Fla., N.Y.
<i>Trigonidium</i> sp. (orchid) leaf-----	Guatemala-----	1	-----	-----	Calif.*
<i>Zygopetalum cerinum</i> (orchid) leaf-----	Canal Zone-----	1	-----	-----	Fla.
<i>Zygostates lunata</i> (orchid) leaf-----	Brazil-----	1	-----	-----	Fla.
<i>Sphenospora mera</i> Cumm.: <i>Catasetum</i> sp. (orchid) leaf-----	Ecuador-----	1	-----	-----	Fla.
† <i>Thecaphora solani</i> Barrus: <i>Solanum tuberosum</i> (potato)-----	Colombia-----	1	-----	-----	Fla.
† <i>Trochila ilicis</i> (Fr.) Crouan: <i>Ilex</i> sp. (holly) leaf-----	Italy-----	1	-----	-----	N.Y.
<i>Tylenchorhynchus capitatus</i> Allen, 1955: Soil with <i>Camellia</i> sp-----	†Portugal-----	1	-----	-----	N.Y.
Soil with <i>Solandra</i> sp. (chalice vine)-----	Mexico-----	1	-----	-----	Ariz.
Soil with unidentified tree-----	do-----	1	-----	-----	Ariz.
† <i>Tylenchorhynchus crassicaudatus</i> Williams, 1960: Soil with Araceae (plant)-----	Philippines-----	1	-----	-----	Hawaii.
Soil with <i>Ligustrum</i> sp-----	Japan-----	1	-----	-----	Hawaii.

See footnotes at end of table.

Pests Recorded From July 1, 1962, Through June 30, 1963—Continued

Pest and host	Country of origin	Number of interceptions in—			Collected in—
		Consump-tion	Nonentry	Propaga-tion	
<i>Uredo guacae</i> Mayor:					
<i>Epidendrum</i> sp. (orchid) leaf	†Dominican Republic		1		N.Y.
<i>Phalaenopsis</i> sp. (orchid) leaf	Peru		1		Fla.
<i>Uredo nigropuncta</i> P. Henn.:					
<i>Bletia</i> sp. (orchid) leaf	Bahamas		1		Fla.
<i>Uredo oncidi</i> P. Henn.:					
<i>Oncidium cavenishianum</i> (orchid) leaf	Mexico		1		Tex.
<i>Uredo scabiei</i> Cke.:					
<i>Vanilla</i> sp. (orchid) leaf	do		1		Tex.
† <i>Uromyces dolicholi</i> Arth.:	Panama	1			Fla.
<i>Cajanus cajan</i> (pigeonpea) leaf					
† <i>Uromyces euphorbiae</i> Cke. & Pk.:	Mexico	1			Ariz.
<i>Euphorbia</i> sp.					
† <i>Uromyces jatrophea</i> Diet. & Holw.:					
<i>Manihot esculenta</i> (common cassava) leaf	Dominican Republic		2		Fla.
† <i>Uromyces vicia-fabae</i> (Pers.) Schroat. (Syn.:					
<i>U. fabae</i>):					
<i>Lens culinaris</i> (lentil) pod and stem	Ecuador	1			Fla.
<i>Uromycladium tepperianum</i> (Sacc.) McAlp.:					
<i>Acacia decora</i> (graceful-wattle acacia) seed	Australia		1		Calif.*
<i>Xanthomonas citri</i> (Hasse) Dowson:					
<i>Citrus aurantiifolia</i> (lime) dried peel and fruit	Afghanistan, Federation of Malaysia, India, Japan, Pakistan, Philippines, Thailand, unknown, Vietnam.	20	150		Calif.,* Hawaii, N.Y., Wash.
<i>C. aurantium</i> (sour orange)	Japan		24		Calif.,* La., Pa., Tex., Wash.
<i>C. grandis</i> (pummelo)	China, Federation of Malaysia, Formosa, Hong Kong, Thailand.	2	5		Calif.,* Hawaii, N.C.
<i>C. limon</i> (lemon)	Japan		17		Calif.,* Hawaii, La., Oreg., Tex.
<i>C. paradisi</i> (grapefruit)	do	1	3		Calif.,* Hawaii, Wash.
<i>C. paradisi</i> X <i>C. reticulata</i> (tangelo)	do		1		Hawaii.
<i>C. reticulata</i> (Mandarin orange) dried peel and fruit	China, Hong Kong, India, Japan, unknown.	19	11		Calif.,* Fla., Hawaii, La., N.Y., Tex.
<i>C. reticulata</i> cv. (dried peel)	Hong Kong	1			Tex.
<i>C. sinensis</i> (sweet orange) dried peel and fruit	China, Formosa, Hong Kong, India, Japan, unknown.	18	90		Ala., Calif.,* Ga., Hawaii, La., N.Y., Oreg., Pa., Tex., Wash.
<i>Citrus</i> sp. (dried peel, fruit, and leaf)	China, Hong Kong, Japan, Pakistan, unknown.	8	7		Calif.,* Hawaii, N.Y., Tex., Wash.
† <i>Xanthomonas dieffenbachiae</i> (McCul. & Pirone) Dowd.:					
<i>Dieffenbachia picta</i> (variable tuftroot)	Puerto Rico		1		P.R.
<i>Xanthomonas</i> sp. (Cancrosis B):					
<i>Citrus limon</i> (lemon)	Argentina, South America (country(?)), unknown.		18		N.Y., Pa., P.R., Tex.
<i>C. sinensis</i> (sweet orange)	South America (country(?)).		1		N.Y.

An asterisk (*) indicates State inspection.

A dagger (†) indicates a first interception from the country named.

A double dagger (‡) indicates a first interception by Division inspectors.

Hosts and Diseases

ACACIA:

Ravenelia spegazziniana (Promycetes)
Uromycladium tepperianum (Promycetes)

ALLIUM CEPA:

Mycosphaerella schoenoprasii (Ascomycetes)
ALLIUM PORRUM:
Mycosphaerella schoenoprasii (Ascomycetes)

ALLIUM SP.:

Mycosphaerella schoenoprasii (Ascomycetes)

ALOCASIA:

Meloidogyne arenaria (Nematoda)

ANEMONE:

Meloidogyne hapla (Nematoda)

ANNONA:

†*Echidnодella guatemalensis* (Ascomycetes)
†*Lepiurusina winteriana* (Deuteromycetes)

ANTHURIUM:

Meloidogyne incognita acrita (Nematoda)
Radopholus similis (Nematoda)

ARAUCARIA:

Biotosphearia berengeriana var. *araucariae* (Ascomycetes)
Cryptospora longispora (Ascomycetes)

Macrophoma araucariae (Deuteromycetes)

ARMO RACIA:

†*Rotylenchus goodeyi* (Nematoda)

R. robustus (Nematoda)

AUCUBA:

Phyllosticta aucubicola (Deuteromycetes)

BAMBOO:

Puccinia longicornis (Promycetes)

BAMBUSA:

†*Sphaeropsis subglobosa* (Deuteromycetes)

BARRINGTONIA:

Dothiorella barringtoniae (Deuteromycetes)

BEGONIA:

Meloidogyne incognita (Nematoda)

M. incognita acrita (Nematoda)

BLETIA:

Uredo nigropuncta (Promycetes)

BREDIA:

†*Meloidogyne hapla* (Nematoda)

BUXUS:

†*Puccinia buxi* (Promycetes)

CAJANUS:

†*Phoma cajani* (Deuteromycetes)

†*Uromyces dolicholi* (Promycetes)

CALADIUM:

Meloidogyne incognita acrita (Nematoda)

CALOOPSIS:

Meloidogyne incognita acrita (Nematoda)

CANNA:

Meloidogyne javanica (Nematoda)

†*Puccinia thaliae* (Promycetes)

CASTANEA:

Cylindrosporium castaneae (Deuteromycetes)

CATASETUM:

Sphenospora mera (Promycetes)

CHAMAEDOREA:

†*Anthostomella leucobasis* (Phycomycetes)

†*Coccostoma chamaedoreae* (Ascomycetes)

†*Hypoxylon folicola* (Ascomycetes)

†*Melanconium palmarum* (Deuteromycetes)

Mycosphaerella advena (Ascomycetes)

†*Phyllosticta cocos* (Deuteromycetes)

CHRYSANTHEMUM:

Puccinia horiana (Promycetes)

CITRUS AURANTIFOLIA:

†*Elsinoe australis* (Ascomycetes)

Guignardia citricarpa (Ascomycetes)

Xanthomonas citri (Schizomycetes)

CITRUS AURANTIUM:

Guignardia citricarpa (Ascomycetes)

Septoria citri (Deuteromycetes)

Xanthomonas citri (Schizomycetes)

CITRUS GRANDIS:

Guignardia citricarpa (Ascomycetes)

Septoria citri (Deuteromycetes)

Xanthomonas citri (Schizomycetes)

CITRUS LIMON:

†*Ascochyta citri* (Deuteromycetes)

†*Elsinoe australis* (Ascomycetes)

Guignardia citricarpa (Ascomycetes)

See footnotes at end of this list.

† <i>Pseudomonas syringae</i> (?) (Schizomycetes)
<i>Septoria citri</i> (Deuteromycetes)
<i>Sphaceloma fawcettii</i> var. <i>scabiosa</i> (Deuteromycetes)
<i>Xanthomonas citri</i> (Schizomycetes)
<i>Xanthomonas</i> sp. (Cancrosis B) (Schizomycetes)
CITRUS PARADISI:
† <i>Elsinoe australis</i> (Ascomycetes)
<i>Guignardia citricarpa</i> (Ascomycetes)
<i>Xanthomonas citri</i> (Schizomycetes)
CITRUS PARADISI X C. RETICULATA:
<i>Xanthomonas citri</i> (Schizomycetes)
CITRUS RETICULATA:
† <i>Elsinoe australis</i> (Ascomycetes)
† Greasy spot"
<i>Guignardia citricarpa</i> (Ascomycetes)
† <i>Meliola butleri</i> (Ascomycetes)
<i>Septoria citri</i> (Deuteromycetes)
<i>Xanthomonas citri</i> (Schizomycetes)
CITRUS RETICULATA CV.:
† <i>Elsinoe australis</i> (Ascomycetes)
<i>Xanthomonas citri</i> (Schizomycetes)
CITRUS SINENSIS:
<i>Ascochyta citri</i> (Deuteromycetes)
† <i>Comiothecium scabrum</i> (Deuteromycetes)
† <i>Elsinoe australis</i> (Ascomycetes)
<i>Guignardia citricarpa</i> (Ascomycetes)
† <i>Septoria citri</i> (Deuteromycetes)
<i>Xanthomonas citri</i> (Schizomycetes)
<i>Xanthomonas</i> sp. (Cancrosis B) (Schizomycetes)
CITRUS SP.:
† Greasy spot"
<i>Guignardia citricarpa</i> (Ascomycetes)
<i>Xanthomonas citri</i> (Schizomycetes)
CLEMATIS:
<i>Meloidogyne hapla</i> (Nematoda)
COCCOLOBA:
† <i>Phyllosticta coccologae</i> (Deuteromycetes)
COCHLIODA:
<i>Sphenospora kevorkianii</i> (Promycetes)
COCOS:
<i>Phomopsis cocoae</i> (Deuteromycetes)
COFFEA:
† <i>Microthyrium laurentii</i> (Ascomycetes)
† <i>Phyllosticta coffeicola</i> (Deuteromycetes)
CÖMMELEINA:
† <i>Mycosphaerella tetraspora</i> (Ascomycetes)
CONVALLARIA:
† <i>Aphelechnoides blastophthorus</i> (Nematoda)
<i>Pratylenchus convallariae</i> (Nematoda)
CORIANDRUM(?) :
† <i>Meloidogyne arenaria</i> (Nematoda)
CYNODON:
† <i>Helminthosporium cynodontis</i> (Deuteromycetes)
<i>Phyllachora cynodontis</i> (Ascomycetes)
CYPERUS:
† <i>Puccinia cyperi</i> (Promycetes)
DAHLIA:
<i>Meloidogyne hapla</i> (Nematoda)
<i>Pratylenchus penetrans</i> (Nematoda)
DIACRIMUM:
<i>Sphenospora kevorkianii</i> (Promycetes)
DIANTHUS:
†Carnation mottle virus (Virus)
DIEFFENBACHIA:
<i>Meloidogyne javanica</i> (Nematoda)
† <i>Xanthomonas dieffenbachiae</i> (Schizomycetes)
ECHEVERIA:
<i>Meloidogyne incognita</i> (Nematoda)
EPIDENDRUM:
† <i>Myiocopron orchidearum</i> (Deuteromycetes)
† <i>Sphenospora kevorkianii</i> (Promycetes)
† <i>Uredia guacae</i> (Promycetes)
EUCALEYPTUS:
† <i>Dothiorella eucalypti</i> (Deuteromycetes)
EUPHORBIA:
† <i>Sphaceloma poinsettiae</i> (Deuteromycetes)
† <i>Uromyces euphorbiae</i> (Promycetes)
FRAXINUS:
<i>Diaporthe eres</i> (Ascomycetes)
<i>Phoma samararum</i> (Deuteromycetes)
GARDENIA:
<i>Meloidogyne incognita</i> (Nematoda)
GERBERA:
<i>Meloidogyne incognita acrita</i> (Nematoda)

Hosts and Diseases—Continued

GONGORA: *Sphenospora kevorkianii* (Promycetes)

GOSSYPIUM: *Phakopsora gossypii* (Promycetes)

HIBISCUS: \dagger *Phyllosticta hibiscina* (Deuteromycetes)

HUNTLEYA: *Sphenospora kevorkianii* (Promycetes)

ILEX: \dagger *Phyllosticta ilicicola* (Deuteromycetes)
 \dagger *Trochila ilicis* (Ascomyctes)

IMPA TIENS: \dagger *Meloidogyne hapla* (Nematoda)

IONOPSIS(?): *Sphenospora kevorkianii* (Promycetes)

IPOMOEAE: *Meloidogyne incognita acrita* (Nematoda)
 \dagger *Phyllosticta batatas* (Deuteromycetes)

IRIS: \dagger *Puccinia iris* (Promycetes)

JATROPHA: \dagger *Phakopsora jatrophicola* (Promycetes)

JUNIPERUS: *Gymnosporangium haleanum* (Promycetes)

KALMIA: *Cercospora kalmiae* (Deuteromycetes)

Mycosphaerella colorata (Ascomyctes)

LAGUCHA: \dagger *Cercospora longissima* (Deuteromycetes)
 \dagger *Meloidogyne incognita acrita* (Nematoda)

LEDUM(?): *Microsphaera alni* (Ascomyctes)

LENS: \dagger *Uromyces viciae-fabae* (Promycetes)

LILIACEAE: \dagger *Scutellonema brachyurum* (Nematoda)

LILIUM: *Meloidogyne incognita* (Nematoda)

LIMONIUM: \dagger *Cercospora insulana* (Deuteromycetes)

LYCOPERSICON: \dagger *Corynespora cassiicola* (Deuteromycetes)

LYONIA: \dagger *Phytisma decolorans* (Ascomyctes)

MAHONIA: *Cumminsiella mirabilissima* (Promycetes)

MALUS: \dagger *Moniliinia fructigena* (Ascomyctes)

MANGIFERA: \dagger *Elsinoe mangiferae* (Ascomyctes)

MANIHOT: \dagger *Uromyces jatropheae* (Promycetes)

MENTHA: \dagger *Puccinia menthae* (Promycetes)

MESEMBRYANTHEMUM: \dagger *Camarosporium ellipticum* (Deuteromycetes)

MISANTHUS: \dagger *Puccinia erythropus* (Promycetes)

MUHLENBERGIA: \dagger *Puccinia dochia*(?) (Promycetes)

MUSA: \dagger *Macrophoma musae* (Deuteromycetes)

NANDINA: \dagger *Phomopsis detrusa* (Deuteromycetes)

NARCISSUS: *Ditylenchus dipsaci* (Nematoda)

NOTYLIA: *Sphenospora kevorkianii* (Promycetes)

ODONTOGLOSSUM: *Cercospora angraeci* (Deuteromycetes)

OLEA: *Macrophoma dalmatica* (Deuteromycetes)
M. oleae (Deuteromycetes)

ONCIDIUM: *Puccinia orchidii* (Promycetes)
 \dagger *Sphenospora kevorkianii* (Promycetes)

Uredio *Uredio orchidii* (Promycetes)

ORNITHOGALUM: *Meloidogyne javanica* (Nematoda)
M. incognita acrita (Nematoda)
M. incognita incognita (Nematoda)
Puccinia ornithogalii-thysoides (Promycetes)

ORYZA: *Neovossia horrida* (Promycetes)
 \dagger *Phaeoseptoria oryzae* (Deuteromycetes)

SEPIA: *Septoria curvula* (Deuteromycetes)
S. miyakei (Deuteromycetes)
S. oryzae (Deuteromycetes)

PANICUM: \dagger *Lacistema graminicola* (Deuteromycetes)

PHALAENOPSIS: *Uredo guacae* (Promycetes)

PHASEOLUS: *Cercospora brachiata* (Deuteromycetes)

PHILODENDRON: *Meloidogyne incognita acrita* (Nematoda)

PHRAGMITES: \dagger *Scirrhia rimosa* (Ascomyctes)

PHYLLAGATHIS: \dagger *Meloidogyne hapla* (Nematoda)

PICEA: *Phomopsis conorum* (Deuteromycetes)

PROTEA: *Leptosphaeria protearum* (Ascomyctes)

PRUNUS: *Monilinia fructigena* (Ascomyctes)

PUNICA: *Sphaeloma punicae* (Deuteromycetes)

PYRACANTHA: \dagger *Fuscidium pyracanthae* (Deuteromycetes)

RANUNCULUS: *Meloidogyne hapla* (Nematoda)

RHODODENDRON: \dagger *Chrysomyza ledi* var. *rhododendri* (Promycetes)

RIBES: *Cronartium ribicola* (Promycetes)

ROSA: \dagger *Elsinoe rosarum* (Ascomyctes)
 \dagger *Meloidogyne hapla* (Nematoda)
Ros mosaic (Virus)
Rose mosaic—yellow type (Virus)

RUSCUS: *Phyllosticta ruscicola* (Deuteromycetes)

SAMANEA: \dagger *Polyporus phocinus* (Basidiomycetes)

SOIL: \dagger *Aphelenchoides parietinus* (Nematoda)
 \dagger *Criconema celetum* (Nematoda)
C. fimbriatum (Nematoda)
 \dagger *Criconemoides curvatum* (Nematoda)
C. in formae (Nematoda)
C. mutabile (Nematoda)
 \dagger *Helicotylenchus nannus* (Nematoda)
 \dagger *He micriconemoides mangiferae* (Nematoda)
Heterodera avenae (Nematoda)
H. punctata (Nematoda)
H. rostochiensis (Nematoda)
 \dagger *Pratylenchus penetrans* (Nematoda)
Rotylenchus robustus (Nematoda)
 \dagger *R. uniformis* (Nematoda)
 \dagger *Scutellonema brachyurum* (Nematoda)
 \dagger *Tylenchorhynchus capitatus* (Nematoda)
 \dagger *T. crassicaudatus* (Nematoda)

SOLANUM: *Meloidogyne arenaria* (aNematoda)
M. javanica (Nematod)
Thecaphora solani (Promycetes)

SORBUS: \dagger *Phyllosticta sorbi* var. *torminalis* (Deuteromycetes)

SORGHUM: *Ascochyta sorghina* (Deuteromycetes)

SPONDIAS: \dagger *Sphaeloma spondiadis* (Deuteromycetes)

STACHYTARPHETA: \dagger *Puccinia urbaniana* (Promycetes)

TRIGONIDIUM: *Sphenospora kevorkianii* (Promycetes)

TRITICUM: \dagger *Fusarium avenaceum* (Deuteromycetes)
 \dagger *F. nivale* (Deuteromycetes)
Puccinia striiformis (Promycetes)

ULMUS: *Phylactinia guttata* (Ascomyctes)

VANILLA: *Uredo scabiei* (Promycetes)

See footnotes at end of this list.

Hosts and Diseases—Continued

VITIS:

†*Guignardia bidwellii* (Ascomycetes)

YUCCA:

Meloidogyne incognita acrita (Nematoda)

ZINGIBER:

†*Meloidogyne arenaria* (Nematoda)*Radopholus similis* (Nematoda)

ZINNIA:

†*Alternaria zinniae* (Deuteromycetes)

ZIZYPHUS:

†*Cercospora jujubae* (Deuteromycetes)

ZYGOPETALUM:

Sphenospora kevorkianii (Promycetes)

ZYGOSTATES:

Sphenospora kevorkianii (Promycetes)*Hosts Unknown*

GRASS:

†*Phyllochora graminis* (Ascomycetes)

PLANT—UNIDENTIFIED:

†*Meloidogyne arenaria* (Nematoda)†*M. javanica* (Nematoda)

ROOT—UNIDENTIFIED

†*Meloidogyne hapla* (Nematoda)

A dagger (†) indicates a first interception from the country of origin.

A double dagger (‡) indicates a first interception by Division inspectors.

Countries of Origin and Diseases

AFGHANISTAN:	† <i>Sphenospora kevorkianii</i>
<i>Xanthomonas citri</i>	
AMERICAN SAMOA:	† <i>Polyporus phocinus</i>
ARGENTINA:	
<i>Criconemooides curvatum</i>	ENGLAND:
<i>Elsinoe australis</i>	<i>Cercospora angraei</i>
"Greasy spot"	<i>Ditylenchus dipsaci</i>
<i>Helicotylenchus nannus</i>	<i>Heterodera punctata</i>
<i>Heterodera rostochiensis</i>	<i>H. rostochiensis</i>
<i>Xanthomonas</i> sp. (Cancerosis B)	<i>Meloidogyne incognita acrita</i>
AUSTRALIA:	<i>Puccinia buxi</i>
† <i>Dothiorella eucalypti</i>	† <i>Rotylenchus goodeyi</i>
<i>Guignardia citricarpa</i>	<i>R. robustus</i>
† <i>Scutellonema brachyurum</i>	EUROPE (country(?)):† <i>Ascochyta citri</i>
<i>Sphaceloma favicetii</i> var. <i>scabiosa</i>	<i>Xanthomonas citri</i>
<i>Uromycladium tepperianum</i>	FIJI:† <i>Aphelenchoides parietinus</i>
AUSTRIA:	FORMOSA:† <i>Guignardia citricarpa</i>
<i>Chrysomyza ledi</i> var. <i>rhododendri</i>	† <i>Macrophoma musae</i>
† <i>Puccinia iridis</i>	<i>Xanthomonas citri</i>
† <i>Scirrhia rimosa</i>	FRANCE:† <i>Fusarium avenaceum</i>
BAHAMAS:	† <i>F. nivale</i>
† <i>Phyllosticta hibiscina</i>	<i>Heterodera avenae</i>
<i>Sphenospora kevorkianii</i>	<i>Monilinia fructigena</i>
<i>Uredo nigropuncta</i>	<i>Puccinia buxi</i>
BARBADOS:	<i>P. striiformis</i>
<i>Sphaceloma spondiadis</i>	GERMANY:† <i>Criconemooides informe</i>
BELGIUM:	<i>Cronartium ribicola</i>
<i>Phyllosticta acubicola</i>	† <i>Fuscipladium pyracanthae</i>
† <i>Phyllosticta sorbi</i> var. <i>terminalis</i>	<i>Heterodera avenae</i>
BRAZIL:	<i>H. punctata</i>
<i>Elsinoe australis</i>	<i>H. rostochiensis</i>
<i>Guignardia citricarpa</i>	<i>Meloidogyne hapla</i>
<i>Helicotylenchus nannus</i>	<i>Monilinia fructigena</i>
<i>Meloidogyne arenaria</i>	<i>Phomopsis conorum</i>
<i>M. javanica</i>	GREECE:† <i>Septoria citri</i>
<i>Sphenospora kevorkianii</i>	GUATEMALA:† <i>Sphenospora kevorkianii</i>
BRITISH GUIANA:	<i>Corynespora cassiicola</i>
† <i>Sphenospora kevorkianii</i>	<i>Meloidogyne incognita acrita</i>
BRITISH HONDURAS:	<i>Rose mosaic</i>
† <i>Cercospora longissima</i>	† <i>Sphaceloma poinsettiae</i>
CANADA:	<i>S. spondiadis</i>
<i>Microsphaera alni</i>	<i>Sphenospora kevorkianii</i>
† <i>Phyllachora graminis</i>	HAITI:† <i>Cercospora insulana</i>
CANAL ZONE:	"Greasy spot"
† <i>Myiocoron orchidearum</i>	<i>Phakopsora gossypii</i>
<i>Sphenospora kevorkianii</i>	† <i>P. jadrophicola</i>
CANARY ISLANDS:	† <i>Puccinia menthae</i>
<i>Heterodera rostochiensis</i>	† <i>Rose mosaic—yellow type</i>
CHINA:	<i>Sphenospora kevorkianii</i>
<i>Guignardia citricarpa</i>	HAWAII:† <i>Dothiorella barringtoniae</i>
<i>Xanthomonas citri</i>	† <i>Helicotylenchus nannus</i>
COLOMBIA:	<i>Macrophoma musae</i>
<i>Meloidogyne incognita acrita</i>	<i>Phomopsis coecos</i>
† <i>Thecaphora solani</i>	<i>Radopholus similis</i>
COSTA RICA:	† <i>Scutellonema brachyurum</i>
† <i>Elsinoe mangiferae</i>	HONDURAS:† <i>Guignardia bidwellii</i>
<i>Meloidogyne incognita acrita</i>	† <i>Puccinia thaliae</i>
† <i>Phyllosticta coffeicola</i>	<i>Sphenospora kevorkianii</i>
<i>Sphenospora kevorkianii</i>	HONG KONG:† <i>Guignardia citricarpa</i>
CZECHOSLOVAKIA:	† <i>Septoria citri</i>
<i>Heterodera punctata</i>	<i>Xanthomonas citri</i>
DENMARK:	INDIA:† <i>Helminthosporium cynodontis</i>
† <i>Aphelenchoides blastophitorus</i>	<i>Phyllachora cynodontis</i>
<i>Pratylenchus convallariae</i>	<i>Xanthomonas citri</i>
DOMINICAN REPUBLIC:	INDIA(?)† <i>Guignardia citricarpa</i>
† <i>Echidnodiella guatemalensis</i>	IRELAND:† <i>Heterodera punctata</i>
<i>Elsinoe mangiferae</i>	<i>H. rostochiensis</i>
"Greasy spot"	
† <i>Leprieurina winteriana</i>	
<i>Phakopsora jadrophicola</i>	
† <i>Phoma cajani</i>	
† <i>Puccinia urbaniana</i>	
<i>Sphaceloma punicae</i>	
† <i>S. spondiadis</i>	
† <i>Uredo guacae</i>	
† <i>Uromyces jatropheae</i>	
ECUADOR:	
<i>Puccinia oncidii</i>	
<i>Sphenospora kevorkianii</i>	
<i>S. mera</i>	
† <i>Uromyces vicia-fabae</i>	
EL SALVADOR:	
† <i>Sphaceloma spondiadis</i>	

See footnotes at end of this list.

Countries of Origin and Diseases—Continued

IRELAND—Continued	<i>Heterodera rostochiensis</i> <i>Meloidogyne hapla</i> <i>M. incognita acrita</i>
† <i>Puccinia buxi</i>	
† <i>Rotylenchus uniformis</i>	
ITALY:	
† <i>Alternaria zinniae</i>	<i>Macrophoma araucariae</i>
† <i>Carnation mottle virus</i>	NEW ZEALAND:
<i>Cylindrosporium castaneae</i>	<i>Macrophoma araucariae</i>
<i>Diaporthe eres</i>	NICARAGUA:
† <i>Elsinoe rosarum</i>	† <i>Meloidogyne arenaria</i>
<i>Macrophoma oleae</i>	† <i>M. javanica</i>
<i>Monilinia fructigena</i>	† <i>Phakopsora jatrophicola</i>
<i>Phylosticta rusicola</i>	NORTHERN IRELAND:
<i>Pseudomonas syringae(?)</i>	<i>Heterodera rostochiensis</i>
<i>Septoria citri</i>	NORWAY:
† <i>Trochila ilicis</i>	<i>Heterodera punctata</i> <i>H. rostochiensis</i>
JAMAICA:	<i>Phoma samararum</i>
† <i>Elsinoe mangiferae</i>	NORWAY(?)
<i>Phakopsora gossypii</i>	† <i>Chrysomyza ledi</i> var. <i>rhododendri</i>
† <i>Phoma cajani</i>	OKINAWA:
<i>Sphenospora kevorkianii</i>	<i>Guignardia citricarpa</i>
JAPAN:	PAKISTAN:
<i>Ascochyta citri</i>	<i>Guignardia citricarpa</i> <i>Xanthomonas citri</i>
<i>Guignardia citricarpa</i>	PANAMA:
<i>Gymnosporangium haraeicum</i>	<i>Sphenospora kevorkianii</i>
† <i>Helicotylenchus nannus</i>	† <i>Uromyces dolicholi</i>
<i>Meloidogyne hapla</i>	PARAGUAY:
<i>M. incognita acrita</i>	<i>Elsinoe australis</i>
<i>Mycosphaerella schoenoprasii</i>	PERU:
<i>Neovossia horrida</i>	<i>Heterodera rostochiensis</i>
† <i>Phomopsis detrusa</i>	† <i>Puccinia cyperi</i>
† <i>Puccinia erythropus</i>	<i>Sphenospora kevorkianii</i>
<i>P. horiana</i>	<i>Uredo guaca</i>
<i>P. longicornis</i>	PHILIPPINES:
† <i>Scutellonema brachyurum</i>	<i>Guignardia citricarpa</i>
<i>Septoria citri</i>	† <i>Helicotylenchus nannus</i>
<i>S. curvula</i>	† <i>Meliola butleri</i>
† <i>S. miyakei</i>	<i>Phomopsis coecus</i>
<i>S. oryzae</i>	† <i>Tylenchorhynchus crassicaudatus</i>
† <i>Tylenchorhynchus crassicaudatus</i>	<i>Xanthomonas citri</i>
<i>Xanthomonas citri</i>	PORTUGAL:
LEBANON:	† <i>Cricomema celetum</i>
<i>Macrophoma dalmatica</i>	† <i>Cricomemoides curvatum</i>
† <i>Meloidogyne hapla</i>	† <i>Meloidogyne hapla</i>
MEXICO:	† <i>Pratylenchus penetrans</i>
† <i>Anthostomella leucobasis</i>	† <i>Pseudomonas syringae(?)</i>
<i>Ascochyta sorghina</i>	† <i>Rotylenchus uniformis</i>
† <i>Coccostroma chaenodoreae</i>	† <i>Tylenchorhynchus capitatus</i>
† <i>Coniothecium scabrum</i>	
† <i>Criconema fimbriatum</i>	
<i>Criconemoides curvatum</i>	
<i>C. mutabile</i>	
<i>Elsinoe mangiferae</i>	
“Greasy spot”	
<i>Helicotylenchus nannus</i>	
† <i>Hemicriconemoides mangiferae</i>	
<i>Heterodera punctata</i>	
† <i>Hypozyton folicola</i>	
† <i>Lacellina graminicola</i>	
<i>Melanconium palmarum</i>	
<i>Meloidogyne arenaria</i>	
<i>M. incognita</i>	
<i>M. incognita acrita</i>	
<i>M. javanica</i>	
<i>Microthyrium laurentii</i>	
<i>Mycosphaerella advena</i>	
† <i>Phaeoseptoria oryzae</i>	
<i>Phyllactinia guttata</i>	
† <i>Phylosticta cocos</i>	
† <i>Puccinia dochmia(?)</i>	
<i>Ravenelia spegazziniana</i>	
<i>Scutellonema brachyurum</i>	
<i>Sphaceloma punicae</i>	
<i>Sphenospora kevorkianii</i>	
<i>Tylenchorhynchus capitatus</i>	
<i>Uredo oncidii</i>	
<i>U. scabiei</i>	
† <i>Uromyces euphorbiae</i>	
MEXICO(?):	
† <i>Phylosticta ilicicola</i>	
NEPAL:	
† <i>Rhytisma decolorans</i>	
NETHERLANDS:	
<i>Cumminsella mirabilissima</i>	

See footnotes at end of this list.

Countries of Origin and Diseases—Continued

SPAIN—Continued	<i>†Sphaceloma spondiadiis</i>
<i>Septoria citri</i>	
SURINAM:	<i>Ascochyta citri</i>
<i>†Sphenospora kevorkianii</i>	<i>Cryptospora longispora</i>
SWEDEN:	<i>Elsinoe australis</i>
<i>Heterodera rostochiensis</i>	<i>E. mangiferae</i>
<i>Mycosphaerella schoenoprasii</i>	<i>Guignardia citricarpa</i>
SWITZERLAND:	<i>Heterodera rostochiensis</i>
<i>Chrysomyza ledi</i> var. <i>rhododendri</i>	<i>Pseudomonas syringae</i> (?)
<i>†Monilinia fructigena</i>	<i>Puccinia buxi</i>
<i>†Puccinia buxi</i>	<i>Septoria citri</i>
TAHITI(?):	<i>†Sphaeropsis subglobosa</i>
<i>Guignardia citricarpa</i>	<i>Xanthomonas citri</i>
THAILAND:	<i>Xanthomonas</i> sp. (Cancrosis B)
<i>†Cercospora jujubae</i>	
<i>Guignardia citricarpa</i>	
<i>Xanthomonas citri</i>	
TRINIDAD:	
<i>Meloidogyne incognita acrita</i>	
	URUGUAY:
	<i>Elsinoe australis</i>
	VIETNAM:
	<i>Guignardia citricarpa</i>
	<i>Xanthomonas citri</i>

A dagger (†) indicates a first interception from the country named.

A double dagger (‡) indicates a first interception by Division inspectors.







